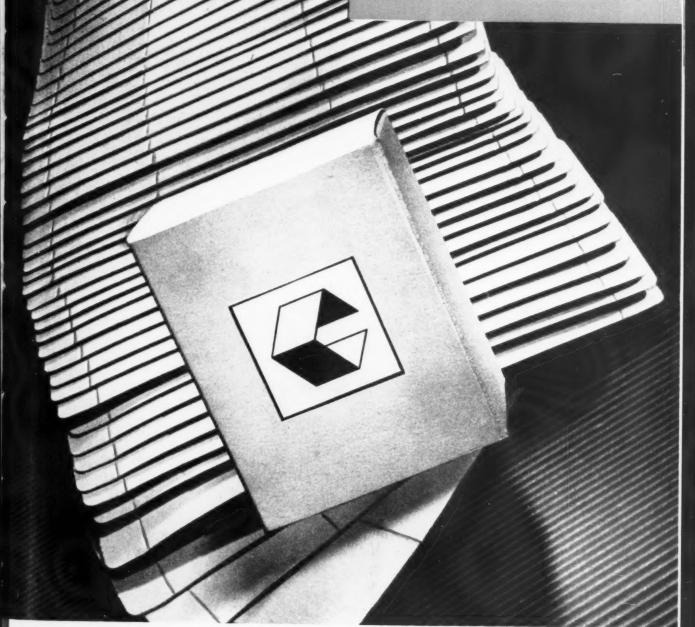
# CONNECTICUT

FEBRUARY



PLANNED PACKAGING

Today's Silent Salesman Page 6

# "No dictation . . . I'll settle it now by long distance"

You're there in seconds by Long Distance. One call can accomplish more than a whole stack of letters sent back and forth. No waiting for an answer—you get things settled for sure. And Long Distance is the most friendly, personal way to do business.

You can profit from Long Distance in almost every phase of your operations — selling, purchasing, expediting deliveries, checking credit, handling complaints. A quick look at some sample rates will show you how thrifty it is. Why not put Long Distance to work every day?

#### **DAYTIME Long Distance Rates Are Low**

Here are some examples:

Hartford to Detroit, Mich		\$1.30
Bridgeport to Atlanta, Ga		1.50
New Haven to Albany, N. Y		.55
Stamford to Boston, Mass		.70
Waterbury to Chicago, Ill		1.50
Hartford to Newark, N. J.		.60
Bridgeport to Los Angeles, Cal.		2.50
New Haven to Houston, Tex		2.05
Waterbury to Louisville, Ky		1.50

These are the DAYTIME rates for Station calls for the first three minutes. They do not include 10% Federal Tax.

THE SOUTHERN NEW ENGLAND

Telephone,

COMPANY

# CONNECTICUT

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THIS MONTH'S cover picture dramatizes the folding carton. More than 110 billion of them, or over 2,000 cartons per year for every family in the country, are produced to package and help sell more than 800 different types of products. Depending on the product and size of the operation, cartons may be made by hand—or by machine—up to a rate of 300 per minute. They are shipped flat—set up and filled later.

#### L. M. BINGHAM, Editor

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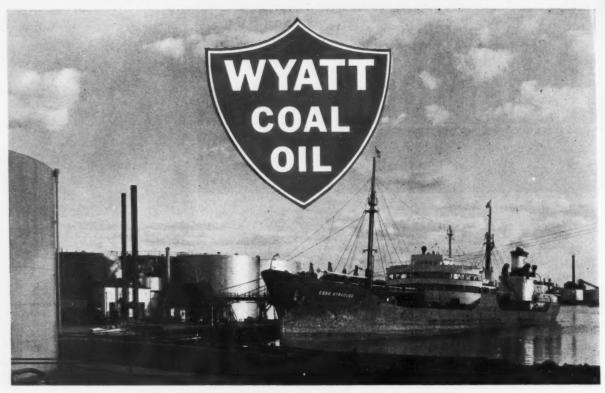
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A RECENT ESSO TANKER ARRIVAL AT WYATT'S NEW HAVEN TERMINAL

The "Esso Syracuse" is 547 feet long, has a 70 foot beam and draws 30 feet of water. It took 5 days for the 1820 mile trip from Aruba, N.W.I. to New Haven and its average speed was approximately 15 knots. This tanker discharged 5,000,000 gellons of Bunker "C" on this trip.

BUNKER "C" FUEL OIL

LIGHT FUEL OILS • DIESEL OIL

BITUMINOUS COAL

BY

STEAMER, BARGE, TRUCK OR RAIL



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NEW HAVEN, CONN. PHONE STATE 7-2175

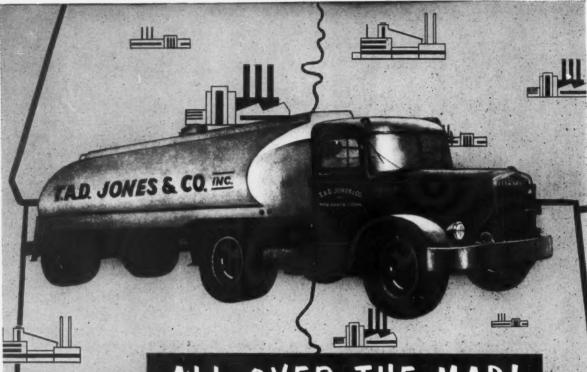
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# ALL OVER THE MAP!

rolling overithe highways of annecticut and Massachusetts, bringing a prempt and depend ble fuel-service to the tanks and bunkers of southern have England's inc stry.

While not so conspicuously marked as to southern and south

#### **Less Government-Better Business**

By HARRISON FULLER, President
Manufacturers Association of Connecticut, Inc.

♦ WITH THE convening of the new Congress, the problems of "small business" are more than ever in the news. President Eisenhower has a program based on last year's study by a special committee of the cabinet. Small business committees in both the House and the Senate are considering legislation. The Small Business Administration is eager to increase its usefulness.

All of the current proposals on the subject appear to proceed on the basic assumption that small business is beset with special difficulties and that therefore it should be provided with special assistance from the Great White Father. Of course small business has, its unique problems. It always has had. However, the most important new problems of small business—that is to say the problems not always and necessarily present in the operation of any business venture, large or small—are shared by all business, and some of them have been created by the very government that is now searching for cures.

Small business has managed to hold its own amazingly well against big business. Mergers get the headlines, but small businesses continue to increase in number, and are still the backbone of the national economy. Likewise, small business as a whole has been able to keep itself fairly well adjusted to the rising costs brought about by big labor. It has not been so successful in withstanding the assaults of big government on its independence and its thrift.

Many in government now see that the time has come to do something about the consequences of certain government policies. These include the enormous amounts of paper work that divert business operators from business operations, and the vast and intricate maze of rules, regulations and restrictions which have been thought up by legislators, departments and bureaus. More important than these, of course, is the Federal tax burden.

In the field of financial relief or assistance, the most discussed plans concern loans to small business, and reduction of the Federal income tax rate.

Through SBA the way was opened for small business to obtain the backing of Federal government in borrowing money for working capital or expansion. The chairman of the Senate small business committee favors a plan for insured loans from private banks. A credit bank financed by the Government has been suggested.

By such means the government, having taken away money that would otherwise go into the capital of a business, proposes that the business borrow it back at a price. Having compelled a business to donate perhaps as much as half or more of its life blood to the cause of big government, the latter offers plasma to the patient—for a consideration. Meanwhile the patient, from being a self-reliant citizen looking the world in the eye and holding his head high, has become a dependent of government. Thus we have

another step in the direction of the welfare state. Lending money from tax collections to businesses crippled by high tax rates will create more problems than it solves.

Reduction of the Federal income tax rate for small business is proposed and the President in his budget message hinted that he would agree despite his opposition to tax reductions generally. That would be a welcome relief for small business and an important step in the right direction. It would immediately, in the case of 95% of the country's business enterprises, increase incentives to thrift and efficiency, make possible the accumulation of capital where it is needed, and help to build up, as nothing else could, the independence and vitality of small business.

But if tax relief is important for small business, it is likewise important for large business, and for precisely the same reasons. Small business has the attention of politicians because it is the traditional symbol of our free enterprise system and because helping the little fellow is always popular. Also, in the case of small business, the effect of a government policy, favorable or adverse, is more quickly felt and more easily perceived. The industrial giant is likely to have more fat on its bones than the small operator, and has more ready access to the savings of the public when it needs capital. But the long-range problem of the larger business is essentially the same as that of the small business. If it cannot generate or attract its own capital it, too, is headed for dependence on government.

The future of small business, and of all business, will be materially affected by the degree to which the government is conducted with wisdom, thrift in its own affairs, and restraint in dealing with private enterprise. In a recent Monthly Letter, the First National City Bank of New York thus concludes a discussion of plans for helping small business:

"If the government would curtail its spending and range of activities and reduce tax rates, small business would get a real lift. . . . Probably the most important contribution the government can make to the economic health of small business, as recognized by the cabinet committee, is to pursue monetary, fiscal, and housekeeping policies that foster sustained expansion in over-all business activity without contributing to price inflation. All sizes of business would benefit from such policies. The importance of this was demonstrated in 1955. There was a net increase of 63,000 business concerns—more than in any year since 1948, which marked the end of a period of rapid growth to make up for reductions during World War II. It reflected last year's record economic activity which followed tax reductions and was achieved with relative price stability."

Big government, whether or not of truly welfare state proportions, is not conducive to healthy and prosperous private enterprise. Indeed, history suggests that they cannot exist side by side.

# PLANNED PACKAGING

S. Curtis & Son Inc., offers complete packaging service to industry from the idea stage to the manufactured carton, today's silent salesman in the markets of the nation.



The engineering of a new carton is given careful attention by the design department before any production steps are taken.



■ FOLDING CARTONS! Only a very few of us realize how much our lives are influenced by this one product. This is probably because we do not purchase the carton for itself, but for what it contains. Throughout the day, from the time we first fumble under the bed for our slippers, we are constantly coming in contact with this familiar, but little thought of product.

Your toothpaste—it came in a folding carton, razor blades—breakfast cereal—many of the components from which your car was assembled—that new crush proof cigarette box—the cake mix and that six pack carrier of Coke your wife asked you to pick up on your way home. . . . All of these are examples of that highly versatile, little-recognized product, FOLDING CARTONS, which are as characteristic of today's economy as were buttons in 1845 when S. Curtis & Son, Inc. was founded.

#### **Early History**

In the deeply wooded hills of Sandy Hook, Conn. one hundred twelve years ago, a stream turned a water wheel to

Cartons—small, large, plain and fancy. Some of the varied products produced by the millions each year at S. Curtis & Son, Inc., Sandy Hook. Scheduling board is kept up to the minute on both current and future production runs. High speed one and two-color presses (right) produce the multi-colored cartons.





Modern, fully equipped die room produces all dies needed to cut and crease the cartons.

furnish motive power for the machines of the original Curtis factory. Combs and buttons pressed from cattle horn and hoof were the first products.

Abundance of water power and the nearby supply of the raw material were the principal reasons for locating the plant in Sandy Hook.

The original plant burned to the ground in 1850, but was quickly rebuilt by Mr. Curtis and his few employees. Under the management of Samuel, followed by Henry, his son, the new business grew and prospered.

In the late 1800's, horn and hoof became more and more difficult for Curtis to acquire, as they were used for other products. Entirely different raw materials and manufacturing processes were introduced to make combs and buttons which made the specialized Curtis equipment obsolete.

Set-up boxes were being made for packing the combs and buttons and were later sold to outside customers. A few display cards and wooden handles were produced in an effort to replace the dwindling comb and button business. In 1913, equipment was purchased to make folding paper boxes.

When a second disastrous fire in 1920 again completely leveled the plant, a major decision had to be made

as to future operations. The plant was rebuilt on the same site and its production was devoted to folding cartons. As history has proven, the decision was sound.

Under the guidance of the grandson, William Curtis, the difficult years of the 1930's were weathered, and steady expansion enjoyed. During World War II, Curtis produced cartons for the war effort, as well as for curtailed civilian production.

#### **Production Steps**

The manufacturing process consists of printing sheets of cardboard, known as boxboard, with one or more colors of ink and cutting out the individual box blanks and embossing them with creases, so that they fold properly. The finishing operations consist of folding these individual blanks and gluing them in the flat, collapsed form in which they are stored and are easily and quickly set up by the user. The principal raw material is the boxboard which represents nearly 50% of the cost of the finished product.

#### **Present Operation**

Today, a completely modern manufacturing plant occupies the site of the original factory. Nelson and Gould Curtis, great-grandsons of the founder

still guide the firm. The entire management team is relatively young and progressive, alert to new methods and opportunities to improve the operation while giving full weight to the tried and proven.

No longer a family business, S. Curtis & Son, Inc. is, in part, owned by employees, townspeople, and others, through the recent issue of preferred and common stock, the proceeds of which were used to finance expansion.

Curtis recently developed a long range program for expansion which included a new 15,000 square foot addition to its present plant and offices that was completed in the fall of 1956. Improved production flow was one of the basic reasons for this new addition. Efficiency on a higher level is its result.

To inaugurate this new addition, Curtis held an Open House for town officials, townspeople, and stockholders on November 24. The day's program was planned and executed by committees of employees. They served as guides and explained the company to the over 500 people who attended. Pride in their company and their jobs was the \*big reason this day was so successful.

Continuing this public relations program on a local level, S. Curtis & Son welcomes groups of school children



Design planning conference composed of members from management sales and production meet regularly to discuss the preliminary steps in evolving a new design.

who can learn about geography, history, and industry through their visit.

Since the folding paper box industry is a highly competitive one, the Curtis management realizes that, to be successful, it must continuously strive for excellence in the quality of its product, in the service rendered its customers, and in its productive efficiency.

#### **Quality Control**

In 1950, the company set up a Quality Control Department whose primary function is to assure consistent high quality in its products. Curtis was one of the first folding box companies of its size to institute such a department and many of the techniques now used had to be developed slowly.

The installation of the program required a continuous educational effort among both suppliers and employees,



Quality of product from the raw materials entering the plant throughout all steps of production is handled by highly trained quality control personnel.



At the finishing operation cartons are glued by Curtis high speed equipment at up to 100,000 per hour.

but the net result is that the company's product is among the finest in the industry.

It is true that you cannot inspect quality into a product, it must be built in during its manufacture. However, the Quality Control Department provides management with a knowledge of the quality that is being produced and helps to isolate reasons for defective material. Members of the company have given lectures and participated in seminars on this phase of the company's operations.

#### **Design Service**

Curtis makes no stock boxes. Each carton is designed to perform a certain set of functions for a particular product. A carton must be adaptable to economical production in the Curtis plant and to efficient filling by the customer. Adequate protection and effective merchandising of the customer's product in the channels of distribution are most important requirements for a satisfactory package. Experience and know-how are invaluable to effective design. These are frequently supplemented by market research. Curtis' Design Department, under Bob Gorton, has produced many cartons that have achieved national recognition. Much of this success can be attributed to the fact that there is no hesitation in departing from the traditional methods and solutions.

The folding carton now carries a heavy responsibility to sell a product in today's self-service outlets which represent an ever-increasing percentage of retail sales. Today, there is usually no clerk to say "I recommend this product, sir". The consumer must select his purchase himself. The package must be the silent salesman competing with thousands of other packages for attention. Curtis feels a joint responsibility with its customers to design a box that will sell as many of its customers' products as possible.

Improved materials and techniques in printing have made it possible to manufacture the beautiful, multicolored cartons we see on the shelves of super-markets and drug stores today.

The combination of transparent materials with boxboards to create beauty and sales appeal is a rapidly growing field in which Curtis has been active. Some case histories of increased sales as a result of improved packages attest to the importance of this phase of marketing.

Curtis recently developed a mailing carton with special features which protect fragile products from damage during mailing. The protection is greater than another container costing a great deal more. A special filling machine

(Continued on page 46)



Aerial view of Rensselaer Polytechnic Institute, Hartford Graduate Center, Route 5, East Windsor Hill. Formerly a shopping center, it was completely remodeled and contains classrooms, seminar rooms, a lecture hall, a technical library, offices, a cafeteria, and a laboratory in a separate building. It was presented to R.P.I. by the United Aircraft Corporation.

# INDUSTRY and RENSSELAER ATTACK ENGINEER SHORTAGE

■ UNTIL recently Mark Twain's classic remark about the weather could have been paraphrased: "Everybody talks about the shortage of engineers, but nobody does anything about it". Fortunately, the United Aircraft Corporation which employs many engineers decided to "do something about it".

In recruiting new engineers, a frequent reason for job turndowns was: There was no nearby college where engineers and scientists could continue their education while holding down jobs.

Then the corporation hit on the idea of a graduate school which would serve the needs of this industrial region in a twofold manner: as an aid in attracting new engineers, and as an inducement for employed engineers to remain in this area by permitting them to stay on the job while taking advanced studies which will help them to develop, thus increasing their productivity.

United Aircraft asked Rensselaer Polytechnic Institute, the oldest college of science and engineering in the country, to help. Rensselaer agreed to staff a graduate school and conduct the academic program under the same standards and regulations which apply to the Troy, N. Y. campus. Top faculty members were permanently transferred from Troy to the Center. United Aircraft purchased a former suburban shopping center, remodeled and equipped it, and presented it as a gift to R. P. I. The result: the R. P. I. Hartford Graduate Center opened in Sep-

(Continued on page 36)



A nuclear physics class taught by a full-time resident professor at R.P.I. Hartford Graduate Center, where working engineers and scientists are pursuing graduate studies to help them meet complex problems in industry.



A class in Business Law at the Hartford Graduate Center is taught by an Adjunct Professor who is a local corporation lawyer. By studying at the center students can obtain master's degrees without giving up their jobs.



Fullerton Manufacturing Company's modern plant located in Norwalk.

## They ASK for the HARD ONES



■ UNIQUE among the many lighting fixture manufacturers in the United States, Fullerton Manufacturing Corporation, in Norwalk, makes its strongest bid for those lighting installations which involve all or nearly all custom made fixtures. These "specials" are not sidetracked in the Fullerton plant nor subjected to costly extra handling. They go right along in the regular production line, getting full benefit of modern cost-saving machinery and methods. The company can be classified as one of the country's leading manufacturers of custom lighting fixtures. This did not come about by accident. Fullerton studied the trends in lighting requirements and decided correctly that a plan for production line manufacturing of fixtures to specification would work to their advantage.

#### Launched In New York

The company started as Full-O-Lite Company, Inc., New York City, in 1926 and moved to Bloomfield, New Jersey, in 1936. Lawson Fullerton, son of the founder, and now president of the company has been active in the business since his graduation from Yale in 1928. The product then was incandescent lighting fixtures for commercial and institutional lighting. In the late 30's fluorescent lighting got off to a fast start and fluorescent fixtures were rapidly being added to the line when the country was plunged into World War II. The company suspended operations for the duration.

This giant forming press is typical of the modern equipment at the Fullerton plant.

#### **Growth in Connecticut**

When war production demands on materials and manpower tapered off, Fullerton had new plans ready. The Fullerton Manufacturing Corporation was organized in 1945, took over the assets of Full-O-Lite and moved to Norwalk, Connecticut. There was no doubt concerning prospects for growth. Many signs pointed to a new era ahead for construction of office buildings, department stores, schools and institutions.

Fluorescent lighting is ideal for the lighting requirements of these modern buildings and Fullerton was soon ready with fixtures designed to develop the full potential of the new medium.

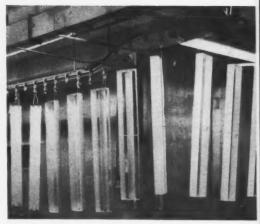
Norwalk was selected for the new location when this fresh start was made, because of its nearness to materials and parts supplies and because the availability of skilled metal workers in Connecticut made it attractive from the standpoint of production of a quality product. All of these factors have proved to be helpful to the growth of the company during the postwar decade.

#### Specials-Mass Produced

New trends in lighting were developing—various types of fluorescent lighting — luminous ceilings — area lighting. Architects and engineers were often unable to find lighting equipment which completely suited their requirements among fixtures that were mass produced to catalog specifications and stocked in warehouses. The demand was growing (and continues to grow) for custom made fixtures for large and small installations. Fullerton



Welding operations at Fullerton are carried on in this section of the plant.



Continuous flow paint lines.

was making plans for a new and larger modern factory, and decided that manufacturing facilities could be planned and organized so as to produce both standardized lines and specially designed fixtures on a production line basis-even on the same production line. This was revolutionary but they have accomplished it; not with complex machinery and equipment installations, but with skilled workers, well organized and coordinated for the work, and with an attitude that takes new ideas in stride and accepts watchfulness for all details as part of the job.

The new plant, built to their specifications, on Willard Road in Norwalk, was occupied in 1953. Custom lighting fixtures flow through it as smoothly as do standard models and without disruption of overall production schedules.

Production has tripled in the past three years, which would indicate that there was sound basis for planning to specialize in specials.

Active head of the company since its inception is Lawson Fullerton, who has spent all of his business life with it. In January, 1954, Warren A. Beh acquired a substantial interest in the company and became active as vice-president and secretary. Beh came well equipped with engineering training and long experience in industrial management and sales. Under the guidance of this alert and dynamic management team, the company is rapidly gaining wide recognition as a leading producer in its field.

#### Check and Double Check

Fullerton's engineering department is well versed in both lighting and production— and works for the benefit of both. They check all designs and specifications to make sure that they are suitable in every detail for fabricating, finishing, assembly and packing, that they contain no "bugs"



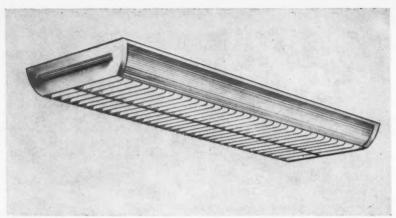
Fullerton lighted general officers of the Connecticut Light and Power Company, Norwalk.

to cause bottlenecks or to impair the performance of the finished product. This close cooperation between departments is necessary for maintaining product quality. It is also a key factor in the ability of the firm to manufacture specials on a production line basis.

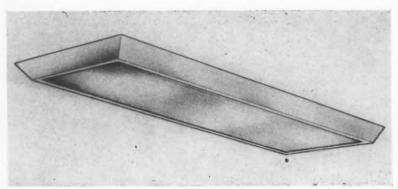
Inside the plant the immediate impression is one of roominess and comfortable working conditions. Giant presses are blanking, punching and forming sheet metal components for various fixture types. Recorded music piped through the plant diverts attention from the clatter that is inherent in metalworking. Equally easy on the eyes

is the appearance of the work areas. Good housekeeping prevents the accumulation of unsightly litter. The color scheme throughout is harmonious and in accord with modern safety standards.

Equipment for making lighting fixtures is conventional in design. It is the proper tooling that brings out the best production potential of the individual machines. All metal parts are "Bonderimed" to prevent rust, and to prepare the surface to receive the paint. In the finishing process, a conveyor line moves parts through paint spray and baking without pause and delivers



The Morris lighting fixture shown here is one of many types manufactured by the company.



This model is known as the Fullerton Townsend lighting fixture.

them to the assembly line, each piece identical to every other in quality. Skilled workers, taking pains, keep production going smoothly. Fullerton employees are union members, associated with the International Brotherhood of Electrical Workers, A. F. of L. A long term progressive rate structure encourages a skilled, stable and versatile organization.

#### **Design Refinements**

The Fullerton product provides illumination of the highest standards and embodies many unique design features that simplify installation and maintenance. Typical of these engineered features is a patented "Magic Hinge", which allows access to surface mounted or recessed fixtures by means of a door having no exposed hinges or catches. Similar refinements of design simplify handling and reduce overall cost to an economical level.

That Fullerton is recognized as a leader in its field is indicated by the wide range of installations for which special design lighting equipment has been supplied. In the Hotel field, the Terrace-Plaza, Cincinnati; in Department Stores, the Miami Beach and West Palm Beach Stores for Burdine,

Bamberger's in Newark and Paramus, New Jersey, Abraham and Strauss in Garden City, New York, Bloomingdale's in Stamford, Connecticut, Joske's Gulfgate Center, Houston, Texas; the Iones Store, Kansas City and three stores for Bacon's, Louisville, Kentucky. Office Buildings of note include the Ford Central Staff, the Ford Division Office Building in Dearborn and the City-County Building in Detroit; Virginia State Office Building, Richmond, Va., the Standard Vacuum Building, Harrison, New York, Commercial Credit Building, Baltimore, the Transportation Center, Philadelphia, the Southern New England Telephone Building in Stamford, Connecticut, the Main Office of the Connecticut Light & Power Company, in Berlin, Connecticut and the recently modernized office of Connecticut Light & Power Company in Norwalk, Conn.

Leading Banks have their share of Fullerton equipment. Among the Fullerton equipmed banks are: The Bowery Savings, New York City, the Provident Savings Institute, Boston, Brown Brothers, Harriman, Boston, The National Commercial Bank and Trust, Plattsburgh, New York, The Berkshire Savings Bank and the Berkshire Trust Company, both in Pittsfield,

Mass., the Central Bank, Cleveland, Ohio, the First National Bank, Cumberland, Md., the First National Bank of Omaha, Nebraska and the National Bank of Norwalk, Conn. Laboratories lighted with Fullerton equipment include Esso Laboratories, Bayonne, New Jersey, IBM Laboratories, Poughkeepsie, New York, Ford Dynamometer, Dearborn, Michigan and the General Motors Tech. Center, Michigan.

Fullerton Manufacturing has specialized in schools for many years. Recent installations include the East Hartford High School, East Hartford, Conn., the Sacred Heart School, Detroit, two schools in Roslyn, New York, the Pequa Valley High School, Lancaster, Penn., the Northern Junior High School, East Meadow, New York, the Hempstead Jr. & Sr. High School, Elmont, New York and the Mount Vernon and Clinton Place Schools in Newark, New Jersey.

Hospitals and Institutions include the Ford Hospital, Detroit, Michigan, St. Luke's Hospital, New York, the Waterbury Hospital, Waterbury, Conn., the Norwalk Hospital, Norwalk, Conn., the Children's Hospital, New Orleans, La., the South Florida Mental Hospital, Hollywood, Florida, the Fourth Mental Institute, Ancora, New Jersey, Connecticut State Prison in Wethersfield, and the Ohio State Training School, Marion, Ohio.

Many libraries have been relighted, including the Public Library, Newark, New Jersey, Baker Library and Widener Library, Harvard University, Cambridge, Mass., while the new Library at Rutgers University in New Brunswick, New Jersey and that at the University of Georgia in Atlanta have just been completed. Other buildings have been completed at the University of New Haven, Penn State, University of Indiana, Cornell, Temple and Rutgers. Municipal Auditoriums include those in Lincoln, Nebraska and Clearwater, Florida.

For personal service on questions of proper design, of installation or other details of lighting, Fullerton qualified lighting engineers cover all sections of the country, under the direction and supervision of the home office. Sales are through leading electrical wholesalers.

An interesting sidelight is that Fullerton plays a double role with other Connecticut industries. From some of them it obtains various materials, components and services. To others it is a supplier of specialized close tolerance sheet metal work for certain military items, an indication that high quality lighting fixtures constitute a precision product, the kind of product which is entirely in the Connecticut tradition.

# The Heroic Story of Mrs. Esther Quigley

MR. AND MRS. CITIZEN:

I am a housewife and the mother of three children, a son now in the U. S. army in Germany, and a son and daughter both of school age. My husband is a veteran of World War II with a fine service record. He works for a sheet steel concern which employs 450 people, all of whom belong to a union which is supposed to represent the employees in dealing with the company.

We live in a modest apartment on Chicago's West Side. To make our home as nice as we can we have bought many things on time. We still owe balances on some of these things. Like most wives of shop men, I pinch pennies, cut corners, and go without things for myself to keep my home going, my children fed and decently clothed, and to meet the payments on installment accounts. I have no winter coat. I am badly in need of dental work but I don't mind so long as my children and husband have a pleasant home. Somehow I manage as long as pay checks come in regularly. We live from payday to payday as most working people do.

So things were going. But, on August 13th, I got a jolt I was not prepared for. When I went to the plant that day and met some of my friends there, workers and their wives were gathered on the corner talking worriedly and angrily of a strike being called. This was the first I had heard that a strike was even being considered. I hurried over to the pay office where I met some of the employees I knew to find out what the strike was all about. Nobody seemed to know. Everybody I talked to wanted to continue to work. What it looked like to me was that a handful of union biggies had pulled a fast one on the workers in order to force the company to knuckle. This made me mad and I decided to do something about it.

Mr. and Mrs. Citizen, in a situation like this what would you do? Would you sit idly by and let a handful of local union bosses lead 450 people around by the nose and pull your livelihood out from under you? Think of 450 families, many with babies and very young children, suddenly and without warning being faced with foodless days! What kind of a country do we have when a few men can, at will, force needless suffering and misery on so many men, women and children? THIS I WANT TO KNOW!

I got together a group of wives of our men and we met in my home. They appointed a committee of four, of which I was one, to talk to the union bosses, which we did in the union hall the night of Monday, August 15th. We couldn't get any dope out of them. One said the strike was called on the spur of the moment. That's as far as we got and the next morning the strike was on. Most of our men didn't know about it and reported for work but were turned away. So, no job, no pay!

Somehow the Newspapers got hold of what I was trying to do to put our men back to work, and printed my story time and again. The union bosses couldn't take the rap and soon the strike folded up, a new contract was signed with the company and the men are now back on the job. But WE LOST TWO WEEKS' PAY. Where is the money coming from to feed our families till next payday? AND THINK OF THIS: It will take 42 weeks' pay at the new rate to make up for the pay we lost in two weeks and we could have had what we gained without a strike.

I am not against unions. I am for them when they are run right and for the benefit and consent of the members. But from this experience, I feel that we working people have a job to do in ridding ourselves of bad union bosses and getting ourselves real responsible leaders. If our men can't or won't do it, then I think it is time we housewives took a hand. With more guts and with the help of public opinion, we can do this.

This fully documented story is the fourth and concluding one in a series, starting in the October 1956 issue, which have told of lawless practices that have been used by certain gangster-type union leaders to rob American workmen of their most important birthright—freedom of choice as it relates to earning a living by lawful means.

Ed. Note. CI agrees with Mrs. Quigley's conclusions-that it's

time union members and their wives took action to stop unwise, undemocratic and even lawless acts by union leaders for their exclusive benefit rather than on behalf of their members. Such action may be taken by members at union meetings and by members and their wives, women's organizations or other individuals and organizations opposing union compulsion, through widespread publicity and the promotion of federal and state legislation that will prevent coercion of workers by union leaders.

CONNECTICUT METAL WORKING TRADES

#### Outstanding Apprentice Award 1956

This Certificate is presented to

on of his selection as one of the six outstanding Fourth-year Apprentices in the State-wide Metal Working Trades Apprentice Competiti

a complement consistent consisten

## APPRENTICE COMPETITION

First Metal Trades **Apprentice Contest** dramatized need for more skilled craftsmen in industry



Finalist apprentice Thomas Sawrum is having his work judged in practical test by judges (left to right) Edward Stepeck, Vinal Technical School; Herman Telke, Elmwood Tool Co.; Walter Daubitz, Oxford Tool Co., and John D. Duwhurst, Arrow Tool Co. The work is being done on an assembly plate for I.B.M. Model 705 computer.

■ THE EXISTENCE of serious shortage of craftsmen in the metal-working shops of Connecticut for the past several years prompted the inauguration last August of the state's first metal trades apprentice competition under the sponsorship of the Central Connecticut Tool & Die Association, the Southern Connecticut Tool and Die Manufacturers Association, the State Department of Education, the U.S. Department of Labor and the Bureau of Apprenticeship training with the cooperation of the Manufacturers Association of Connecticut.

#### **Purpose**

Because productivity and profits in industry have been limited by the lack of skilled craftsmen, the 1956 Metal Trades Competition was organized to:

1. Alert industry to the need for training an adequate number of apprentices to meet the present and projected shortage of skilled craftsmen in the industry.

2. Improve the quality of training by encouraging apprentices to prepare themselves for these annual competi-

3. Improve the quality of training by giving recognition to supervisors and journeymen who do an outstanding training job.

4. Bring to the attention of young

men the opportunities in Metal Trades Apprenticeship.

5. Acquaint young men entering secondary schools with the basic preparation in math, science and English which they need for successful apprenticeship.

A planning committee representing the sponsoring groups developed the material, procedures and the judging techniques. Members of this committee included: John Dewhurst, chairman, Central Connecticut Tool & Die Association; Jack Argazzi, Central Con-necticut Tool & Die Association; Dwight Hansen, Southern Conn. Tool & Die Manufacturers Association; Al Knapp, of Pratt & Whitney Co., representing MAC; Lawrence Eddy, Connecticut State Dept. of Education; I. Harry Hyman and Frederick R. Smith, of the U.S. Dept. of Labor, Bureau of Apprenticeship.

#### **Recruiting Company and Apprentice Contestants**

The basic steps in securing participation by industry included: News releases to local newspapers; two special bulletins announcing the competition, including eligibility rules and nomination forms mailed to over 1600 companies on the mailing list of The Manufacturers Association of Connecticut; special bulletins to 125 companies on mailing list of Tool and Die Association in the area covered by the competition; special letter to members of the American Society of Training Directors in the area covered by the competition; special letter to all personnel in the State Department of Education who were teaching related classes for metal trades apprentices; and field contacts by U. S. Department of Labor and State Apprenticeship Council representatives.

#### Selection of Outstanding **Apprentices**

All companies who returned nomination forms were notified of the time and place where eligible apprentices would take their written examinations, which covered math, trade theory and science, and which were administered by the State Department of Education. The apprentices who scored among the top 25 on this written examination were designated as finalists and eligible for the "practical" test, administered by three judges—two from industry and one from the Department of Education. These judges were brought together for a briefing session and allocation of assignments. The judging team then made arrangements to visit and score each finalist apprentice in the department of the plant where he worked-all scoring being done on a

judging card previously developed. Eight teams of judges were organized to share this work load. After the judging the total scores were compiled on the basis of the written test counting for 30% and the practical test 70%.

A total of 30 companies entered 81 eligible apprentices (only those with 6,000 to 8,500 hours of training) in the contest. Of this group twenty-seven won high enough marks in the written test to make them eligible as finalists to compete for top honors.

The top six apprentices and the companies were notified of their standing and arrangements made for the awarding of certificates and prizes at the National Convention of the Tool & Die Manufacturers' Association, held at the Statler Hotel, Hartford, November 3, 1956. A copy of "Machinery Handbook" was also given to all finalists and appropriate letters were sent to all participants.

The six winners of the outstanding apprentice award prizes and certificates, together with their company affiliations were: Amie Robert, Lux Clock Company, Waterbury; Mario Benamati, Turner & Seymour Mfg. Co., Torrington; Martin Kordos, Pitney-Bowes, Inc., Stamford; Manuel Lopez, Bassick Company, Bridgeport; Edmond St. Germain, Veeder-Root, Inc., Hartford; James Sutton, Scovill Mfg. Co., Waterbury.

Finalists were: Kenneth Barry, General Electric Co., Bridgeport; George Beno, Bullard Co., Bridgeport; Joseph Benovese, Risdon Mfg. Co., Waterbury; Michael DeCarlo, Veeder-Root, Inc., Hartford; Joseph Dzobia, Stanley Tool, New Britain; John Hanson, Pitney-Bowes, Inc., Stamford;



Apprentice awards are presented at National Tool & Die Manufacturers convention by John D. Dewhurst, right, chairman. Left to right: Martin W. Kordos, Amie J. Robert, James J. Sutton, Mario P. Banamati, Edmond St. Germain and Manuel Lopez.

Charles Heran, General Electric Co., Bridgeport; Patrick Julian, Scovill Mfg. Co., Waterbury; John Keller, Olin Mathieson Chemical Corp., New Haven; Robert Lyman, Pratt & Whitney Co., Inc., West Hartford; Joseph Macuna, General Electric Co., Bridgeport; Robert Montory, Scovill Mfg. Co., Waterbury; Domenick Nardi, Pitney-Bowes, Inc., Stamford; Ralph Parlato, Waterbury Mfg. Co., Waterbury; Harold Peterson, Fafnir Bearing Co., New Britain; Thomas Sawrun, Arrow Tool Co., Wethersfield; Edmund Skinger, Stanley Works, New Britain; Stewart Smith, Bridgeport Jig Boring Co., Bridgeport; Raymond Valentine, Singer Mfg. Co., Bridgeport; John Volkmer, Farrel Birmingham Co., An-

sonia, Donald Zarimba, Cottrell Mfg. Co., Pawcatuck.

#### **Publicity**

Newspapers in all of the key communities in Connecticut published news articles and pictures of contestants from their areas who had been included among the finalists. One newspaper carried an editorial on the competition. All companies with plant house organs featured stories on their apprentices who had reached the finals. The WKNB Television Station included in their news broadcast pictures of the awards to outstanding apprentices and a statement on the purpose of the competition. The Hartford Times assigned a reporter to write a series of feature articles dealing with the skilled labor problem and training in the Hartford area.

#### Results

The special bulletins mailed by the sponsors, together with the widespread newspaper and plant house organ publicity concerning the contest, served to focus the attention of all levels of management upon their own apprentice training programs or lack of them, thus stimulating a number of companies who had no eligible participants for the 1956 competition to take steps to assure participation in future competitions.

The competition also succeeded in focusing the attention of management, labor, apprentices, prospective apprentices, school guidance personnel, government training agencies and the general public on the problem of apprentice training to a greater extent than ever before, thus attaining one

(Continued on page 32)

CONNECTICUT METAL WORKING TRADES

## OUTSTANDING APPRENTICE AWARD

This Certificate is presented to

in recognition of its success in training

selected among the six outstanding Fourth-year Apprentices in the State-wide Metal
Working Grades Apprentice Competition

Competition Sponsors

CONNECTICUT STATE DEPARTMENT OF EDUCATION BUREAU OF APPRENTICISABILP, U. S. DEPARTMENT OF LABOR MANUPACTURERS ASSOCIATION OF CONNECTICUT CENTRAL CONNECTICUT TOOL AND DIE ASSOCIATION SOUTHERN CONNECTICUT TOOL AND DIE ASSOCIATION SOUTHERN CONNECTICUT TOOL AND DIE ASSOCIATION

Chairman, Competition Committee

## THE BOSS IS BAFFLED

By DAVID SHEA TEEPLE\*

The author of this article in blunt hard-hitting style shows why so-called liberals are so successful in selling their views to government and the public, why management fails and what it can do to win.

■ WATCHING American industrial leaders correlate the activities of their multi-million-dollar corporations, one assumes that these men are capable of finding solutions to almost any problem.

To direct the exploration, production, advertising, distribution, sales, research and development of any one of a hundred American companies is as precise and difficult an assignment as one can imagine.

There is no doubt about it—"the boss" is intelligent. If he weren't, he wouldn't be "the boss."

Yet, there is one problem which constantly baffles him. It irritates him, it frustrates him, it bewilders him. He doesn't understand government! Because he is intelligent, you would think that "the boss" would devote a portion of his time and ability to studying government to find out why he so frequently loses in the political arena. He doesn't! That is why he is so baffled when he runs into the Washington maze.

Labor, the "liberals," and the leftwingers have been very effective in government during the last several decades. Industry has been almost impotent. This is not an accident. There are very good reasons to explain both success and failure.

Almost all of the New Deal-Fair Deal socialistic programs which are now so frustrating to business might have been avoided if the problems had been recognized and intelligently dealt with before they became public issues. There are sore spots today which if unattended will be collecting a toll of cardiac patients from the plush suites of the business world in 1976.

If a competitor were stealing his market, "the boss" would carefully study the product and marketing practices of that competitor and devise a program to combat the competition. If the first program didn't work, he'd try another. He would not just sit and

wait for bankruptcy. The same formula works for government.

Do the "liberals" have a better product than their helpless enemies? Positively not! All of the fundamental blessings of this society are essentially by-products of our free enterprise, industrial, capitalistic system. The "liberals" have stolen our product and have been very successful in convincing many people that it is their own.

Once we realize that our product has been stolen, we are on the right track toward political effectiveness. Industry has been too busy taking the "cash" while the "liberals" took the "credit."

An essential ingredient for political success which the "liberals" possess and which industry lacks is internal organization. For example, within the ranks of labor, there are extreme differences of opinion—sometimes violent; yet when any issue arises which concerns a goal of labor, those differences are subordinated and the entire labor movement presents a united front. Let one union get into trouble and all the rest are helping to bail it out.

The organization is even more sensitive than this. The entire "liberal" movement is like a jellyfish—if you touch one tentacle, the whole organism responds. Fire one left-wing professor and you may anticipate (or at least you should, because you are going to get it) attacks from Organized Labor, the Americans for Democratic Action, the Civil Liberties Union, about 10 "intellectual" societies, about 13 "liberal" Congressmen, and about 10 nationally-syndicated columnists, all of whom will take up the cudgels. Generally, they win.

Incidentally, they fight rough. Name-calling and character-assassination are "McCarthyism" only if done by conservatives.

In sharp contrast, let one segment of industry be unfairly attacked. Let's call it Company A. The first question that is asked in the board meeting of Company B is, "Was our name mentioned?" If their name wasn't mentioned, then that is generally the last question. They sit on the sidelines actually enjoying the beating that their competitor takes, even though the eventual outcome will vitally affect everyone. The natural and

wholesome competition which industry has with industry is automatically carried over into the political field by industrial leaders—much to the detriment of their political effectiveness.

On rare occasions, such as Roosevelt's seizure of Montgomery Ward in 1944, businessmen have rallied to the support of their competitors. On the day following the seizure, April 27, General Robert E. Wood, President of Sears, Roebuck & Co., issued a statement denouncing Roosevelt's action as "forcible possession . . . in direct violation of constitutional rights . . . if the wartime powers of the President can be invoked to confiscate the property and business of Montgomery Ward & Co., then the President can seize the business of any merchant, or any other business enterprise, anywhere, any time."

Consider the most recent steel strike. The American people were bombarded daily by every segment of the "liberal" movement in support of labor's position. No one spoke for the steel industry except those who were actually affected by the strike. It would have been a fantastic phenomenon if the oil, the mineral, or any other industry had voluntarily come to the assistance of the steel industry during the negotiations.

When the ADA supports labor in a situation such as this, it is called "education," not "lobbying," since theoretically the ADA has no pecuniary interest in the outcome.

The "liberals" understand this—the industrialists don't. They charge on Washington like the Light Brigade only when they are to be helped or hurt by a particular piece of legislation. They stay only until the issue is resolved and then hasten back to the home office. They don't understand that by the time they get to Washington, they have allowed their opponents, over a period of months, to establish a climate of opinion among the people which has already decided the issue before the vote has been taken.

They expect politicians, whom they neither understand nor admire, to "stand on principles"—especially if those "principles" happen to be in accord with the point of view of a particular industry at a particular time. They

<sup>\*</sup>Mr. Teeple, author of this article, first published in Human Events, a copyrighted weekly magazine, published by Human Events Inc., has held many responsible positions in the Executive and Administrative branches of government and is now a Consultant to Industry, several Congressional Committees and Executive departments. This copyrighted article is being re-published by special permission of the publisher.

expect a politician to vote for or against a measure according to their "principles" when such a vote will result in his defeat at the next election.

The attitude of industries toward government and toward each other would be rather comical if it were not so tragic. They will do almost anything in the way of effort to increase profits ten per cent, and yet will sit idly by while the government depreciates the currency twenty per cent, resulting in a ten per cent net loss.

The record is clear. Industry is not politically effective—the demagogues and the liberals are! One might well say that if our industrial leaders are so rich, why ain't they smart! Here are some things they could do if they

wanted to:

1. Examine their entire advertising budget and withdraw financial subsidies to socialistic individuals, institutions or organizations. I submit that it is impossible to find one conservative who is financially supported in any way by any segment of the "liberal" movement. I'd like to have a picture of the CIO sponsoring Fulton Lewis, Jr. If conservative industry has to subsidize "liberals," why shouldn't the "liberals" occasionally have to subsidize a conservative? Of course, they don't, and we don't have to either, and shouldn't unless we continue to be politically

stupid. Somebody told industry some time ago that when you give money to educational institutions, it is automatically a crime if you dare to ask how it is spent. The incredible situation therefore exists where industry subsidizes socialistic-minded professors who spew forth books which attack the basic premises upon which industry is predicated. Education is a wonderful, worthwhile objective only if the person is being properly educated. Industry deserves no accolade for assisting in the education of socialists. This is not a suggestion that industry attempt to dictate to our schools-merely a common-sense recommendation that industry evaluate where its money is going and for what purpose.

Try to name one conservative professor subsidized by the "liberal" movement! They know where their money

is going!

There are many "eggheads" of conservative inclination in the United States, but because they are conservative they have great difficulty in securing proper teaching assignments, and in finding publishers for their books and articles. And through it all they are unsupported by industry.

Of the thousands of books and magazines published yearly, try to find a half-dozen which make any attempt to present the advantages which accrue to our people as a result of the capitalistic free enterprise system! Not a day goes by, however, without the appearance of some book which seizes upon some inequity in our social order and uses it as a springboard to attack the entire system. If industry would subsidize its own "eggheads" maybe we could restore some equilibrium in academic circles.

2. Because of its very nature, industry is composed largely of engineers, chemists, and technicians who are concerned about the production of a product. Many of them are very uninformed politically. One constructive suggestion is that all junior executives be required to study government both at the grass roots and in the nation's capital.

3. Industry must do away with the "footnote" concept of Public Relations. The socialists make a charge; it is dramatic; it is featured in the "liberal" press (e.g., "If the natural gas bill is passed, it will cost 5 cents more to fry an egg.") Industry keeps 100 men up half the night for 3 days and prepares a voluminous report dealing in BTU's, the cost of gas at the wellhead, cost to the pipeline, cost of distribution, taxes, administration, and overhead, and eventually concludes that the charge is false. The only trouble is that nobody ever reads it. If they did they couldn't understand it. In the meantime the 'liberals" have launched seven more charges which lead to more sleepless nights for the business moguls.

We must realize that industrial public relations in politics consists of establishing in the minds of the people a favorable climate of opinion before the issue arises—not afterwards. Industry can sell its products; why can't it sell its ideas? The answer is that nobody tries. We operate on the theory that "no news is good news." We wait for "bad news" before we act. This will not work in politics. By the time you hear the "bad news," the battle is lost.

Note the effectiveness of the left. Can you pick up any literature today without seeing a story on UNESCO, The UNITED NATIONS, CIVIL LIBERTIES, FOREIGN AID, or any one of the many programs which the "liberals" are pushing for every day?

4. Industry must undertake a thorough study of the "tax-exempt racket" under which the "liberals" can spend all they want to push their objectives and the conservatives can't spend a dime.

If an example is needed to prove the point, let us examine the recent gas bill. An oil man offered Senator Case \$2,500 because he thought Case was sympathetic to the bill. Case did not accept the money and voted against the

bill. This was a crime for which the oil man is now under indictment. The bill was vetoed. A national hullabaloo was raised. In the preceding six months, according to the official records, three groups opposed to the passage of the same bill contributed over \$5,000 to Senator Morse. He took the money. He voted the way they desired. This was not a crime. Here is the "liberal" double standard working at a gallop. They turn a horse chestnut into a chestnut horse and we stand around and watch. If we allow this situation to continue we will not win.

5. To be politically effective, industry must adopt a realistic attitude toward personnel. There are two areas

that need proper staffing.

First: every corporation should have available at least one individual who has had recent experience on the staff of some Congressional committee. The only way really to learn how these committees work is to run one. It is astounding but true that the same business executive who can coolly order a 100-million-dollar plant expansion will get palpitations of the heart if handed a subpoena to appear before a Congressional committee by some person he would not hire as an office boy. He is afraid because he doesn't understand. He should have expert advice at hand.

Second: industry must learn from the "liberal" movement that it can well afford to secure positions in government for people who have a conservative philosophy and see that they remain there. The bureaucracy of our government today is overloaded with so-called "career" employees who share the philosophy of our opponents. They become "experts" because the "liberals" make them experts. When I see Mr. Harold Price, Director of the Civilian Applications Division of the Atomic Energy Commission, testifying before Mr. James T. Ramey, Staff Director of the Joint Committee on Atomic Energy, concerning the course of our atomic energy power program, I know what sort of a bill will come out. You don't need a crystal ball; all you need to know is that both of these men were protégés of David E. Lilienthal and for many years served in the legal division of the TVA.

How differently industry operates. It occasionally sends a man to Washington, lets him remain a year, then recalls him and generally penalizes him in promotions and the like, for having had the audacity for daring to go in the first place. If we are to be effective, we must understand that in our government most of the work is done by the second-echelon workers. We must see that our sort of people get in those

(Continued on page 32)



# FOR SAFETY

Limited access and elimination of cross traffic at grade, as illustrated in this scene on U. S. 99 near Vancouver, Wash., are two of the important safety features being designed into vital new roads such as the National System of Interstate and Defense Highways. By choosing concrete you deliver the safest possible road because concrete's combination of high skid resistance and high light reflectance value is unequalled.

#### PORTLAND CEMENT ASSOCIATION

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#### **News Forum**

This department includes a digest of news and comment about Connecticut industry of interest to management and others desiring to follow industrial news and trends.

♦ CARL P. RAY, vice president, has been made head of the International Division of Underwood Corporation, W. G. Zaenglein, executive vice president, has announced.

In his new post Mr. Ray will be responsible for manufacturing, sales and service of Underwood's foreign subsidiaries and for the sales and service among the company's dealers in 600 cities outside the United States.

Mr. Ray, with Underwood since 1937, is a graduate of Dartmouth College. An officer and director of the Office Equipment Manufacturers Institute, he is a member of the American Management Association, the Public Relations Society of America, Export Managers Club and Business International.

♦ ROBERT STORRS, formerly sales supervisor of the Pratt & Whitney Aircraft division of United Aircraft Corporation, has been named assistant sales manager of Chandler-Evans, according to an announcement made by Sidney A. Stewart, vice president and manager of the West Hartford manufacturer of fuel control systems and aircraft accessories.

A graduate of the University of Virginia, Mr. Storrs also attended the Yale Graduate School. He had been associated with Pratt & Whitney Aircraft since 1941.

♦ A 20 AMPERE magnetic relay suitable for all types of fractional and integral horsepower motors used in commercial and industrial application has just been announced by The Arrow-Hart & Hegeman Electric Co., Hartford. The manufacturer claims that this new magnetic relay can be used with 80 per cent of all residential central air conditioning units.

Designed to assure minimum contact bounce, and having special silver cadmium oxide contacts, the relay will require no service after installation and will last the lifetime of the air conditioning unit on which it is installed.

Advantages claimed include low wattage consumption, and longer life that will mean a reduction in replacement costs. It is available in two, three and four pole, and all standard voltages.

♦ GOODMAN BROTHERS, Inc., of Meriden, is packaging its new Wonder Shelf, a product that combines a shelf with suspended jars, in Tufboard cartons printed in a design that illustrates the variety of uses to which the product can be put.

The design was developed and the cartons produced by the Thames River Folding Carton plant of the Robert Gair Division of Continental Can Company. Illustrations on the top and side panels picture the shelf in use in many parts of the home and as a display stand in business.



"Wonder Shelf," new product of Goodman Brothers, Inc., Meriden, is shown with its Tufboard Gair carton. The illustrative design, printed two colors on white, makes the carton a self-selling display and merchandising item.

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CONNECTICUT



♦ JOHN P. POTH has joined The Bullard Company, Bridgeport, and will fill the newly-created position of director of engineering, it has been announced by E. C. Bullard, president and general manager. In his new position Mr. Poth will be responsible for all product engineering and develop-

A native of Linden, New Jersey, Mr. Poth attended Rensselaer Polytechnic Institute, majoring in mechanical engineering. He is a graduate of the Academy of Aeronautics, New York. He is an associate fellow, Institute of Aeronautical Sciences, a member of Washington Chapter, National Aero Club and the American Institute of Management.

Mr. Poth has been engaged in engineering, research and development work for over 22 years. Before joining The Bullard Company he was vice president of engineering at the Engineering and Research Corporation of Riverdale, Maryland and engineering manager of Erco, a division of A.C.F. Industries, Inc.

♦ THE APPOINTMENT of Gardner A. Caverly as executive vice president of The New England Council has been announced by Raymond H. Trott, president. Mr. Caverly succeeds Walter Raleigh, who has become executive director of the Young Presidents' Organization with headquarters in New York City.

Mr. Caverly was president of the Rutland Railway. He has been a director of the Council and a member of the Transportation Committee. He is a member of the Boston Stock Exchange and has a background touching on the investment field as well as industrial development.

♦ A DOUBLE HONOR, one local and one state-wide, was bestowed upon an employee of Fafnir Bearing Company, New Britain, recently. Mrs. Cecelia Banulski, of the company's Department 56, gave her 24th pint of blood to the Connecticut Regional Blood Program, thereby becoming the first three gallon donor in New Britain, and the first woman in the state to receive a three-gallon award.

Mrs. Banulski's 24th donation was given in the studios of station WKNB-TV before the television audience of the station's "Digest" program. The attending physician was Dr. Victor G. H. Wallace, state director of the Red Cross-administered Blood Program. Present also were Frederic M. Senf, Fafnir's director of community and employee relations, who presented Mrs. Banulski with her three-gallon award, and Fred Ruoff, executive secretary of the New Britain Red Cross.

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♦ GROUND WAS BROKEN in Hamden recently for the new plant of Columbia Printing Company, now located in New Haven. The company plans to occupy the new plant in the spring of this year. The building will contain 15,000 square feet, all on one floor. Its construction will include an entirely brick exterior with selected Roman face brick front, Vermont marble trim, aluminum sash in office areas, steel sash in the plant, heat-diffusing glass-block windows and a double loading ramp dock.

The company was founded 46 years ago by Joseph W. Drabkin, its president. Together with his brother, Louis Drabkin, who joined the firm shortly thereafter, they expanded the business and moved into larger quarters on Commerce Street in New Haven. Continued growth through the years required several additions to this plant.

The company services major industrial concerns throughout the state, offering letterpress and offset lithography, as well as art and design service, linotype composition and bindery service.

♦ A 17-YEAR-OLD Connecticut boy, determined to one day become an electrical engineer, was given substantial help in that direction recently when he was presented a Westinghouse \$300 college scholarship at the National 4-H Congress in Chicago.

Andrew J. Kaszany, Jr., of Harwinton, was given the award for his outstanding work on a 4-H electrical project, which included the formation of an electrical club, the Harwinton Junior Electricians.

Accompanying the boy to Chicago was David N. Stiles, of Cheshire, Farm Youth Specialist of The Connecticut Light and Power Company, who assisted the young scholarship winner in his electrical work.

♦ THEODORE F. TALMAGE has been appointed director of staff services of the Perkin-Elmer Corporation, Norwalk. In this capacity he will have direction of the personnel, plant engineering, purchasing and marketing departments of the company.

Mr. Talmage has been with Perkin-Elmer since 1941 when he joined the company's accounting department. Later he moved to optical production. In 1950 he was named assistant purchasing agent, and in 1954 became director of purchasing.

♦ THE EXPANSION of the Tube Mill facilities of Scovill Manufacturing Company, Waterbury by the purchase of about 93 acres of land in New Milford, has been announced by Chauncey P. Goss, Mills Division vice president and manager.





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It is anticipated that construction of a building 1150 feet long by 200 feet wide with necessary service adjuncts on a railroad siding will get under way this spring.

The casting of billets for tube extrusion and hot extrusion of tube alloys into "shells" will continue to be done at the present Scovill Tube Mill in Waterbury, while tube drawing, annealing and other related processing operations will be performed at the New Milford plant.

♦ THE STOCKHOLDERS of The Bristol Brass Corporation have recently approved the recommendations of the board of directors to increase the capital stock of the corporation from 300,000 shares of common stock of the par value of ten dollars each to 1,000,000 shares of common stock of the par value of ten dollars each.

The unissued stock in the amount of \$5,000,000 will be held for use in future financing or for expansion if

opportunities occur.

♦ CONSOLIDATED Diesel Electric Corporation has received a contract from AVRO Aircraft, Ltd., of Canada, amounting to \$86,000 for lightweight, highly mobile ground support equipment to service the RCAF CF-105 jet fighter. The announcement was made by Paul Mitchell, sales manager for Aircraft Equipment Division.

The units are self-propelled and contain a gas turbine compressor rated at 117 pounds-per-minute at 50 pounds-per-square-inch pressures and 370 degrees Fahrenheit on a standard

Con Diesel manufacturers ground support equipment for aircraft, and power and test equipment for industry.

♦ IN A REVIEW of 1956 operations of United Aircraft Corporation, William P. Gwinn, president, reported that through its three operating divisions, UAC reached a postwar high last year.

Total employment reached 60,000. Total plant area was expanded to more than 10,365,000 square feet, the majority of it company owned. Production encompassed gas-turbine and piston engines, propellers, turbine equipment, and helicopters, and intensive research and development were put both into present products and products under design.

Of particular importance, according to Mr. Gwinn, are the wide acceptance of the twin-spool, axial-flow Pratt & Whitney Aircraft J-57 jet engine and the swift strides made on the even more powerful and advanced J-75.

♦ THE ATRAX COMPANY, Newington, has announced the availability

of solid carbide routers, precision ground to close tolerances, for use on abrasive materials such as plastics, bakelite, die castings, copper, fibre, bronze, brass, aluminum, hard wood, hard rubber, etc.

The new routers are said to be designed to improve performance and increase production, and are available in a full range of standard sizes in all series such as single straight flute, single right hand spiral, single left hand spiral, two flute straight, two flute left hand spiral and three flute left hand spiral.

♦ TWELVE SPECIAL CAMERAS, with one of the most difficult-to-produce optical systems ever attempted, will soon go into production for a unique task—that of photographing an object the size of a basketball travelling at twice the speed of sound 250 miles distant.

The object is an earth satellite to be launched during the coming International Geophysical Year. The cameras, which will measure ten feet high and eight feet wide have been designed and are being built under the auspices of the Smithsonian Institution.

The production of the optical systems for the cameras is being undertaken by the Perkin-Elmer Corporation, Norwalk, builders of the Baker-Super-Schmidt Meteor Cameras and other optics for a number of astronomical observatories.

♦ A NEW, comprehensive, two-color brochure on powdered metal parts has just been issued by the Powdered Metal Parts Division of The Lux Clock Manufacturing Co., Waterbury. The brochure, which includes many illustrations and detailed case histories, contains helpful information for the OEM manufacturer interested in cutting costs or improving performance by replacing machined or assembled parts with powdered metal parts, according to the company.

Outlined are the care and precision demanded in the manufacture of powdered metal parts plus the inherent advantages which their use provides. Hidden savings resulting from elimination of secondary operations when Lux powdered parts are used are cited as additional advantages.

Included in the brochure is a general guide for performance of such secondary operations as brazing, welding, soldering, peening, riveting and machining on powdered metal parts. Special finishes, the storing of impregnated parts and reoiling are also discussed. Copies are available from the company.

♦ JACOB J. JAEGER and ALBERT



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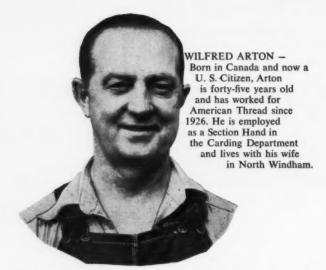
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KEEPING AN EYE ON PRODUCTION — On the job at American Thread, Arton is responsible for the maintenance of roving frames in the cotton preparation department. He records the daily production of each roving frame operator and checks all work flowing through the section to be sure it meets rigid quality and production standards.



CATCHING UP ON THE NEWS — Married for twenty years, Arton enjoys a quiet evening at home with his wife, Jeannette. Mrs. Arton was born in Manchester, N. H., and for six years worked in American Thread's Spinning Department. Her father, Joseph Vallee, retired as a Machinist at American Thread in 1949.



# THE PEOPLE BEHIND THE PRODUCTS

At American Thread

A company's success is largely determined by the ability of the men and women who make up the organization. American Thread has been a successful member of the Willimantic Community for 58 years, which is certainly a testimonial both to our employees and the products they make.

During this time the Company and the people on its payroll have made every effort to be good citizens — contributing to and participating in the city's growth. This series introduces some of the Williamatic citizens who help make the thread and yarn products which are among the finest made anywhere in the world.



CHECKING OVER THE REC-ORDS - As chairman of the Elk's activity committee, Arton spends much of his free time planning the various social events that are held each year at the local Elk's home. He organizes a number of honorary banquets, and is also in charge of a fundraising committee that distributes food baskets during the holiday season to needy families in North Windham. In addition to his fraternal activities, Arton is also a member of the Franco-American Civic & Social Club in North Windham.

DID YOU KNOW? Housewives are constantly coming into contact with American Thread products in their kitchens as well as in their sewing rooms. These products, many of which are manufactured at the Willimantic Plant, are used for making tea bags, electrical cords, electric motors, telephone cables, tablecloths, napkins — and even sausage links!





L. KNAPP have been elected to the board of directors of the Pratt & Whitney Company, Inc., according to an announcement by Leopold D. Silberstein, board chairman and chairman and president of Penn-Texas Corporation of which Pratt & Whitney is a subsidiary.

Mr. Jaeger is vice president of the company and chief engineer of its machinery division and Mr. Knapp is also a vice president and manager of

the machinery division.

At the same time Mr. Silberstein announced that Harry Reichert, Pratt & Whitney export manager since 1950, has been named vice president of the company.

♦ MORE THAN 200 members of the Southern Connecticut Section of the American Society for Quality Control were guests recently of Scovill Manufacturing Company, Mills Division, on a visit to the Scovill Brass Casting Show, Tube Extrusion Department and Continuous Strip Mill.

Meeting at Doolittle Hall, Scovill Employee Recreation Association building, the guests were conducted on a tour planned to show the complete cycle of Scovill's modern brass mill products production, including the unique continuous brass billet and bar casting machines, largest and most modern equipment of their types in



A few of the thousands of typical Scovill fabricated products are explained to officers of Southern Connecticut Section of American Society for Quality Control by Alan C. Curtiss, Scovill vice president. From left to right: Mr. Curtiss, A. W. Schaff, Joseph F. Mulvey, Willis H. Machin, F. T. Connelly, Grover C. Baldwin, Jerome G. Wolff, George L. Chase, Chester A. Burnett, M. G. Boyd.

full scale operation in the brass in-

During the hour-long trip through the mills, the visitors also were able to study Scovill's coordinated methods for step by step close precision quality control from the sampling of each melt before pouring, through casting, to final tube extrusion and flat-metal continuous rolling operations.

♦ P. F. BROPHY, president of

Cramer Controls Corporation, Centerbrook, has announced the purchase of the business of Lindsay Products, Inc., of Culver City, California.

The Lindsay organization, founded in 1947, manufactures a variety of direct current motors for industrial and military applications. The company employs more than 50 persons in a modern one-floor 6,000 square foot plant.

Cedric T. Scott has been appointed

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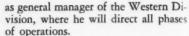
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Cramer Controls manufactures a comprehensive line of electro-mechanical devices and synchronous timing motors.

♦ A NEW REMOTE positioning system for transmitting motion with appropriate output power has been announced by The Bristol Company of Waterbury. The system is composed of three basic components: a transmitter, amplifier, and receiver.

According to the manufacturer the system has been designed for maximum reliability, and will either operate under any statistically reasonable failure, or will remain in position. It will never allow an undesired signal to move the output shaft. Any form of motion can be transmitted or received, either linear or rotary.

Applications for the new systems include such operations as fuel mixture and throttle control on engine test cells, valve operation in process work, and remote manipulation in radioactive or hazardous locations.

♦ THE APPOINTMENT of Richard Reising to the position of production manager of the Fabricating Division, Plume & Atwood Mfg. Company, Thomaston, has been announced by Charles E. Boak, manager of the division. Mr. Reising will be responsible for coordinating all the production efforts in the division.

He joined the company in 1956 as production planner. Prior to this he was with the Winchester Division of the Olin Mathieson Chemical Corp. where he was a supervisor, expeditor, manager of inventory control and chief of planning for the Arms Division.

♦ THE MITCHELL-BRADFORD Chemical Company, Milford, has announced a new non-inflammable paint stripper, called Quick Strip #8.

Designed to remove many types of enamel, paint and lacquer finishes quickly, yet without corrosive or detrimental effect to the base metal, it is used by dipping the painted parts into the solution until the paint coating is lifted, after which the parts are rinsed or flushed off with water.

For spray or brush application Quick Strip #8T, a thicker consistency formulation is used. This allows the remover to cling to the painted surface until the paint is lifted after which the lifted or loosened paint coating is flushed off with water.

♦ A NEW FLEXIBLE duct engineered to fill the need for the handling

of corrosive fumes is being introduced by The Wiremold Company, Hartford. Called the Wiremold Flexible Air Duct Type 47-1D, it is manufactured through an exclusive patented process that mechanically locks the fabric into the steel spiral.

According to the manufacturer its rugged, study, air-tight construction, combining time-tested vinyl coated fiberglas fabric with a supporting spiral made from the highest corrosionresistant type stainless steel is designed to give maximum resistance to corrosive fumes which may arise from chemical processes.

♦ A UNIQUE new 76-page catalog on die sets and accessories has been published by The Producto Machine Company, Bridgeport. For the convenience of the user, the 56-page technical section and the 20-page net price book have been printed separately and bound together in such a way that they can be read simultaneously.

In addition to the net pricing innovation, Producto's Catalog No. 11 introduces many new items such as Rectangular Progressive Rear Pin die sets; Watchmaker die sets, die sets for Multi-Slide, R Fourslide and Dieing Machines; removable bronze bushings; an added line of chrome-vanadium steel die springs and a packaged die spring assortment.

Helpful hints on "How to Select and Use Die Springs" and "How to Save on Steel Specials," and specially-compiled load comparison tables for chromevanadium springs are featured in the

Technical Section.

Copies of Die Set Catalog No. 11 may be obtained from the company.

♦ THE BULLARD COMPANY. Bridgeport, has announced the acquisition of the complete line of Hydra-Feed Lathes from the Hydra-Feed Machine Tool Corporation of South Norwalk and Detroit, Michigan. The manufacture, sales and service of the Hydra-Feed automatic lathes will be handled in the Bullard plant in addition to its regular line of machine tools.

These lathes, available in four sizes in both multiple tool production and tracer lathes, are designed for easy automation, maximum carbide performance, high rates of metal removal and automatic chip removal. These lathes will be manufactured and sold under the name of Bullard Hydra-Feed

Lathes.

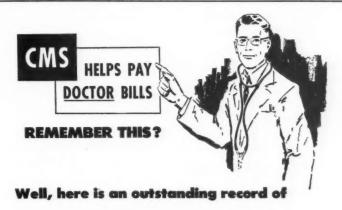
♦ AN EDUCATIONAL refund plan has been inaugurated by Pratt & Whitney Company, West Hartford, for employees who take courses of study on their own time. The plan is designed to offer financial assistance and encouragement to employees who are furthering their education in this man-

Open to employees with at least six months service at Pratt & Whitney and Chandler-Evans, the plan will give tuition refunds of 50 per cent for vocational courses and courses leading to degrees. Vocational studies would include such courses as methods, time study and mathematics.

A refund of 75 per cent will be given for engineering courses taken by engineering personnel. Non-vocational courses such as English, literature or those of general educational nature, are eligible for 50 per cent refunds under the program.

♦ THE NEWLY-CREATED Department of Defense reserve award was presented recently to the American Brass Company, Waterbury, at a special dinner.

The award, presented by Major General Roger J. Browne of Mitchell Field, New York Air Force Base, cited the company "for outstanding cooperation with the armed forces." General Brown, commander of the First Air Force at the Long Island Base, said the American Brass Com-



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Sales and merchandising programs for 1957 were discussed and two new sanders were unveiled before sales representatives from throughout the United States and Canada at Stanley Electric Tool sales conferences held in New Britain, Los Angeles, Chicago and Atlanta during December. Shown here demonstrating sanders to sales representatives are Frank P. Lucier, assistant sales manager, and Fred O. Fuller, sales manager.

pany was the first Connecticut company to be presented the award. It was accepted by John A. Coe, American Brass president.

♦ TWO NEW SANDERS of orbital and belt design have been added by Stanley Electric Tools, division of The Stanley Works, New Britain, to its line of portable electric tools. Incorporating the most advanced engineering developments, according to the manufacturer, the sanders will find wide application with carpenters, painters, cabinet makers, pattern makers, boat builders and home craftsmen who work with wood, metal and plastics.

Both the orbital and belt sanders are said to feature maximum operating efficiency because of their Stanley-built air cooled motors, ball bearing construction, vertically positioned "outof-the way" cords and perfect balance.

♦ MICHAEL I. CHERNUK has been appointed assistant secretary of the Allen Mfg. Co., Hartford, it has been announced by James G. Osmond, president.

Mr. Chernuk was also recently promoted works accountant in charge of payroll, cost, accounts payable and accounts receivable departments.

♦ E. BOSWORTH GRIER, secretary of the Arrow-Hart & Hegeman Electric Co., Hartford, retired from that post recently after 38 years of service with the company.

Mr. Grier first became associated with the Arrow Electric Co. in 1918 and following the merger with the Hart & Hegeman Mfg. Co. he was elected secretary in 1930. He was made a director in 1941 and for many years has been in charge of patent matters, licenses, agreements and contracts.

♦ FRANK W. ANGLE, personnel manager of the Bristol plant of New Departure Division, General Motors Corporation, has left that position to become a member of GM's labor relations staff in Detroit, it has been announced. William A. MacDonald has been named to succeed Mr. Angle as personnel manager. He was formerly a general foreman in manufacturing, and before that was engaged in personnel positions with New Departure in Bristol and Meriden.

With New Departure since 1951, Mr. Angle became personnel manager last September, following the death of David H. Baird.

♦ THE APPOINTMENT of Leo J. Brancato as a vice president of Heli-Coil Corporation, Danbury, has been announced by Eduard Baruch, president.

Before joining Heli-Coil in 1952 as a project engineer, Mr. Brancato was employed as a development engineer at Barry Wehmiller Machinery Co., St. Louis. He will continue to head the company's engineering department along with his new corporate duties. He has been chief engineer in charge of product development and research for the company since October 1954.

♦ THE OFFICIAL beginning of operations in the new plant of Berkshire Transformer Corporation in Kent was marked recently by a luncheon and ceremony at which Governor Ribicoff was guest of honor.

The Governor cited the town of Kent as an example for the state's other 168 towns by pointing out that the town brought an industry into its midst without destroying the beauty and historic background of the village. He also pointed to the need for an expanded economy in the state to meet

rising costs of services being demanded by the people of Connecticut. He stressed the need for expanded industrial development while retaining the traditional features of the state.

The Berkshire Transformer Corp. was established in February, 1947 in New Milford. It manufactures a line of transformers ranging in weight from a fraction of an ounce to 1,000 pounds. The products are used extensively by commercial and military interests.

♦ THE BOARD OF DIRECTORS of the Frank H. Lee Company, Danbury, has elected John P. Previdi, Danbury businessman, to the presidency of the firm. The position, the chief executive office in the company, has been vacant since June.

Mayor of Danbury for two terms (1951-1955), Mr. Prividi has been identified with the business community for the past quarter century. He operates the John P. Prividi Company, an office supply and stationery concern, and is former owner of the Danbury Printing Company.

♦ LEE S. JOHNSON, a veteran of 27 years in the United Aircraft organization, has been elected general manager of the Sikorsky Aircraft Division by United's board of directors.

Mr. Johnson will succeed Bernard L. Whelan, who will continue as a vice president and as a member of the operating and policy committee of United Aircraft Corporation, with headquarters in East Hartford.

Mr. Whelan, who directed the growth of the helicopter company from a few hundred employees early in World War II to the current organization of approximately 10,000 men and women, will continue to devote the major part of his work to the helicopter field.

A graduate of Yale University, Mr. Johnson joined Pratt & Whitney Aircraft as an assembler in the production department, and later worked in a wide variety of jobs—stock chaser, dispatcher, and estimator—before he was named assistant to the factory manager in 1941. In November 1955 he was appointed senior assistant general manager at Sikorsky.

 WILLIAM K. PATJENS has been appointed plant industrial engineer and industrial relations director for Bridgeport Rolling Mills Company.

A graduate of Renssalaer Polytechnic Institute, Mr. Patjens was with Bridgeport Brass Company for two years as an industrial engineer. Prior to his appointment at Bridgeport Rolling Mills he was with Sandoz Pharmaceutical Company of Hanover, New Jersey.



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370 Front St., Hartford 14, Conn. CHapel 7-8847 ♦ THE INDEX MILL-MATIC, a new standard automatic production milling machine, is described and pictured in an eight-page, two-color folder issued by The Producto Machine Company, Bridgeport. It features an accurate index mechanism as an integral part of its horizontal work table.

The folder points out that with the Index Mill-Matic, the type of milling to be done can be selected on the basis of which is most suitable to the nature of the part being processed. Examples of index milling, station milling and combination milling are shown.

Typical tooling arrangements are illustrated and specific production jobs that have been performed on the Index Mill-Matic by manufacturers in automotive, aircraft and other industries are described. The folder also contains cross-sectional drawings and operational sequence of the index mechanism, some of the many spindle arrangements available, complete design and construction features, and general specifications.

♦ WALTER L. WISE, JR. has been named general manager of the Hand Tool Division of Sargent & Company, it has been announced by Herman R. Giese, Sargent vice president and general manager.

Under the direction of Mr. Wise, the former Schoolhorn Company tool plant, which has been operating as a producing division of Sargent & Company since 1948, will be set up as autonomous division with its own product design, process engineering, production force, and sales staff.

The new Sargent official was formerly manager of marketing for the Toledo Scale Company, Toledo, Ohio.

♦ JOHN G. JORGENSEN, purchasing agent for Vitramon, Inc., Trumbull, has been promoted to sales supervisor for the firm, according to Barton L. Weller, president.

Mr. Jorgensen joined Vitramon in September and recently has been serving in the dual capacity of purchasing agent and staff consultant to the sales department.

A graduate of Romford Preparatory School and Dartmouth College, he was employed previously by Parson Brothers, Inc., as manager of the industrial supplies division.

♦ THE RESIGNATION of Alfred M. Winchell as president of Technicraft Laboratories, Inc., Thomaston, has been announced.

Mr. Winchell was one of the founders of Technicraft, which started doing business in 1947 with 4 employees. Today the electronic firm employs over 200 persons.



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♦ CLAYTON DuBOSQUE, JR., formerly engineering assistant to the general products group executive of American Machine & Foundry Co., Stamford, has been appointed assistant to the executive vice president of the

Mr. DuBosque joined AMF in 1946 as assistant commercial research manager. In 1950 he was appointed commercial research manager, and in 1953 he was made engineering assistant to the general products group executive.

♦ THE APPOINTMENT of Edward L. Woodyard as a presidential assistant has been announced by S. B. Withington, president of Lycoming Division, Avco Manufacturing Company, Stratford.

Also named presidential assistants were Turner A. Duncan of Statesville, North Carolina and Paul A. Deegan, Stratford.

Mr. Woodyard will be administrative assistant; Mr. Duncan will be in charge of industrial engine operations and Mr. Deegan, public relations and advertising.

• FREDERICK W. ROBERTS, who joined Dictaphone Corporation, Bridgeport, in 1941, after serving for seven years as senior project engineer at Warner Brothers Pictures, Inc., has been elected vice president in charge of engineering and research, according to C. K. Woodbridge, chairman of the board of directors.

Mr. Roberts, a sub-committee chairman of the American Standard Association, is a member of the Institute of Radio Engineers, sub-committee on mechanical recording.

NORTON C. WHEELER, chairman of the board of directors of the Standard Machinery Company retired recently after 46 years with the company.

A well-known figure throughout New England in the rubber and plastics industry, Mr. Wheeler has contributed much to the development and manufacture of presses for moulding shellac composition, rubber, cold moulded mariaks, thermo-setting and thermoplastic compounds.

He joined Standard in 1910, serving as secretary for the next twelve years. Following the death of his father in July 1933 he became president and treasurer of the company. He relinquished the presidency to his brother, John R. Wheeler in 1953 and became chairman of the board.

♦ PLANS FOR THE construction of a new building to house the Kellogg & Bulkeley division of Connecticut Printers, Inc., Hartford, have been an-

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nounced. The new plant, to be located on Granby Street in Bloomfield, will consist of approximately 25,000 square feet of air-conditioned manufacturing space.

The Case, Lockwood & Brainard division will remain at its present location in Hartford, where both letterpress and lithographic printing operations will be carried on.

Upon its completion the Bloomfield plant will be equipped with the larger lithographic presses of the Kellogg & Bulkeley division, and also a new IBM Rotary Web-fed card printing press and other high-speed equipment.

#### **Apprentice Competition**

(Continued from page 15)

of the basic objectives of the competi-

The interest shown by apprentices who volunteered to take the examination in 1956 was gratifying to the committee, but of greater significance was the reaction of apprentices who will be eligible for future competitions. Here there was definite evidence of a desire to acquire the trade knowledge and abilities which would enable them to compete successfully when they became eligible. Related class instructors have sharpened their programs and raised their standards so that contestants under their instruction will stand a better chance of reaching the finals in future competitions.

The judging procedures used in this competition and the recognition given to department personnel directly involved in training apprentices has stimulated greater interest in and attention to the instruction of apprentices at the job level. This is a significant contribution because it is only when willing and able apprentices have the proper job opportunities made available to them by the foremen, and instruction from interested and competent journeymen, that the full potential of apprentice training can be achieved.

The publicity given the competition has widened the general knowledge of

high school students on the opportunities for apprenticeship in the metal trades. It has also brought requests from vocational guidance personnel in the secondary schools for speakers who could bring this message directly to interested students.

The Connecticut contest was recognized and given high praise at the 1956 National Convention of the Tool and Die Manufacturers Association, and definite action was taken by the convention to promote similar contests in other major tool centers.

The contest committee agreed that the results of the 1956 competition warranted setting up a formal organization to conduct these competions on an annual basis. The committee also set up a research project to analyze the effect of background, attitude and training factors in the development of the twelve top apprentices in the competition.

#### The Boss Is Baffled

(Continued from page 17)

jobs and not let our opponents control the working mechanism of government no matter which political party is in power.

The first and probably most difficult step which industry must take in its effort to become politically effective is to realize that, imperfect though it may be, the most important science in the world is the science of government. If government goes too far to the right or too far to the left, it can close our schools, our churches, our laboratories, and our factories. It can deprive us of our material possessions, our liberties, and even our lives. Some people disagree with this. They quote Socrates, who once said, "There is no science of government." Look what happened to him when government got out of hand. Whether business likes it or not, government is here to stay. The only question is, "What kind of government?" Industrial leaders of our nation can either take the "hemlock cup" or decide to play a major part in government's future development.



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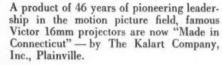


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# How Would You Decide?

By Fredrick H. Waterhouse Counsel

♦ MAY an employee be disciplined for smoking in a location designated as an area in which smoking is permitted if he was smoking there at an unauthorized time?

Here's What Happened.

The company was operating on an around-the-clock, three shift operation and had clearly marked certain areas in which smoking was permitted "during rest periods". The employee in question had arrived at work a few minutes before his shift commenced and was smoking in a permitted area before the start of his shift, but this was not during a designated "rest period". The supervisor happened along and, catching him with a lighted cigarette in his hand, imposed on him the standard three-day disciplinary layoff. The employee admitted he was smoking, but argued that since it was in an area where smoking was permitted at certain times, and since he had not yet actually started to work, he though any disciplinary action was harsh and unwarranted. The union took the position that there could be no violation of the no smoking rule unless the employee were smoking in a restricted area and at an unauthorized time. In other words, both factors must be present to warrant discipline. However, the company argued that management could not operate under a ruling that smoking restrictions apply only to certain shifts. The company felt it would be impossible to administer a rule in such fashion and permit employees on the incoming shift to smoke while employees on the preceding shift were not permitted to smoke at the same time.

May the company restrict the smoking privilege to certain areas and certain limited times, or may an employee smoke in an area where smoking is permitted if he happens to be there outside of his regular shift hours?

The arbitrator felt that a multiple shift operation must be treated somewhat different from single shift operation. When management has granted the employees on each shift specific rest periods and clearly marked areas where smoking is permitted at these designated periods, it would make administration of safety regulations extremely difficult if employees on incoming

shifts were permitted to smoke at times other than the specified rest periods, while the employees on the preceding shift were restricted. In answer to the union's argument that both factors must be present to justify discipline, the arbitrator pointed out that in certain areas smoking is prohibited at any time and an employee would hardly be excused for smoking in a prohibited area even though he was smoking at a time when smoking was permitted. In conclusion, the arbitrator noted that a three-day suspension was uniformly imposed by this employer for infractions of this rule and he felt he was not justified in making any exception.

When transferring an employee from one shift to another under a contract calling for time and onehalf after 8 hours, must the employer give one full day off in order to avoid premium pay?

Here's What Happened. Under the contract there was the usual provision of a work schedule of an 8-hour day and a 40-hour week. The contract then provided that for "hours in excess of eight (8) hours in any twenty-four (24) hours . . . the company agrees to pay at the rate of one and one-half times . . . . ". The employee in question was regularly working on the 4:30 p.m. to 12:30 a.m. shift. After having worked this regular shift on a particular day, she was permanently transferred to the first shift and began to work on the first shift the next day at 8 a.m. and continued to work until 4:30 p.m. on that day. She then came in at 8 a.m. on the following day and has worked on the first shift ever since. It was the employee's contention that she worked 16 hours within a 24 hour period and therefore was entitled to time and onehalf for the second 8 hours. The company claimed that this provision should be applied in the same manner as the Walsh-Healey Public Contracts Act, which permits an employer to change a work schedule without paying overtime in such a situation if the change is permanent and is not made to avoid the overtime requirement. Since this was a permanent transfer and was not made for the purpose of avoiding overtime pay, the company felt it should not be held to the letter of the contract





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but that a new day started when the employee first started to work on the new shift.

Is the wording of the contract susceptible of an interpretation in accordance with the interpretation under the Walsh-Healey Act?

The arbitrator pointed out that the question before him was not how the Walsh-Healey Act is interpreted or how any other Federal or state law is interpreted, but rather, what does the contract say. Looking at the case in this light, the arbitrator concluded that the contract specifically provides for overtime pay for work in excess of 8 hours in any 24 hour period and this employee had worked 16 hours within the 24 hour period commencing at 4:30 on a particular day and ending at 4:30 the following day. Consequently, she was entitled to time and one-half for the second 8 hours.

Does "full scheduled working day" to qualify for holiday pay mean the ordinary 8-hour scheduled day or the 10-hour day scheduled for the individual employee?

Here's What Happened.

The contract provided for holiday pay for certain holidays, but had the common stipulation that the employee must work the "full scheduled working day" after the particular holiday, except that an employee might be excused by his foreman from "two hours work including tardiness on the full scheduled working day after the holiday". The particular job of the employee in question was operating on a scheduled shift of 10 hours per day. He worked the day before the holiday all right, and returned to work at the proper time at the beginning of his shift on the morning after the holiday. During the course of the day, he asked his foreman for permission to leave the plant at 3 p.m. in order to take care of some personal business, although his scheduled shift would not end until 5:30 p.m. because it was a 10-hour shift. He was granted permission to go and left the plant at the approved time which meant that he had worked only 71/2 hours of his scheduled 10hour shift. The possible effect of his leaving on his eligibility for the holiday pay was not brought up. He did not ask the foreman about it, and the foreman didn't offer any advice or suggestions. However, the next day the employee was told he was ineligible for holiday pay because he had failed to work at least 8 hours of his scheduled 10-hour shift. There was some dispute between the union and the company as to the interpretation of this particular clause, but the evidence indicated the company's rule had previously been applied to such situations. Nevertheless, the union claimed that the 2 hours leeway which the employee obtained by being excused by his foreman should be considered as substracted from an 8-hour day which was the shift period mentioned in the contract. Such an interpretation would entitle him to holiday pay. The company insisted that the words "full scheduled working day" meant the day which the employee himself was scheduled to work.

Was the employee required to work at least 8 hours of his scheduled 10-hour shift or was he required to work only 6 hours of a normal 8-hour shift?

The arbitrator concluded that the scheduled work day does not necessarily mean an 8-hour shift, but rather the number of hours per day which the company has scheduled for the particular employee. Thus, the employee was technically disqualified from receiving holiday pay as he had worked only 7½ hours of a 10-hour shift. However, the arbitrator felt that since the employee obviously did not realize that by leaving at 3 o'clock rather than 3:30 p.m. he was losing all of his holiday pay, and because the foreman had failed to warn him or even mention the fact, justice demanded that he be given the holiday pay but limited to the particular circumstances of this individual case. Otherwise, the maximum of 2 hours which may be excused by the foreman is to be deducted from the total number of hours the employee is scheduled to work on the qualifying

# Industry and Rensselaer Attack Engineer Shortage

(Continued from page 9)

tember 1955 with 212 students at East Windsor Hill, Connecticut, 115 miles from the school's home campus in Troy, New York.

The Hartford Graduate Center has made its resources in engineering education available to all engineers and scientists whether sponsored by their companies, or as individuals without company affiliations. In addition to the United Aircraft Corporation, there are ten other Connecticut companies sending engineers to the school, and the enrollment has grown to 350 graduate students. Students range in age from 21 to 51; most are married. Classes meet in the late afternoon and early evening, and some companies excuse their men an hour and a half early to attend the earlier classes. The typical student attends two classes held two evenings a week and can complete the 30 credit hours required for a Master's Degree in five semesters or two and one half years.

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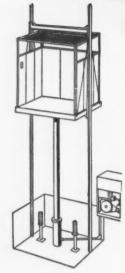
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At present the R.P.I. Hartford Graduate Center offers courses in the following fields: Aeronautical Engineering, Electronics, Management Engineering, Applied Mathematics, and Data Processing, Mechanics, Mechanical Engineering, Metallurgy, Nuclear Technology, and Physics. Additional courses will be added as the demand warrants.

Since its conversion, the former shopping center has made a handsome graduate center. Its modern, one story building contains classrooms, seminar rooms, a large technical library, faculty offices, an auditorium, a cafeteria,—and reminiscent of the building's origin: excellent parking facilities for its "customers", the commuter students. Recently a separate laboratory has been added with a model wind tunnel and other equipment.

Dr. Warren C. Stoker, Associate Director of Rensselaer's Graduate Division and formerly Director of its Computer Laboratory, is Director of the Center. Under him is a faculty of thirty-eight which includes some of R. P. I.'s top teachers and a part-time faculty of specially qualified scientists and engineers from industry.

In addition to the normal school activities, the Center offers its services to industries on a consultation basis. The faculty and equipment of the Hartford Graduate Center as well as the vast research facilities of the campus at Troy, N. Y. are available for technical assistance in a variety of facild.

In summing up the R. P. I. Hartford Graduate Center, William P. Gwinn, President of United Aircraft Corporation, said: "We established the facility so that engineers could widen their basic knowledge in fields that are moving rapidly, affording the ambitious engineer an opportunity to obtain more schooling at the same time that he continues in his vital work. We would not have undertaken that costly program if we had not judged it an absolute necessity."

From an industrial standpoint, United Aircraft Corporation, besides helping to alleviate a mounting engineering problem on an internal basis, has made a great contribution in which all the community can share. On the other hand, the venture gives R. P. I. an unprecedented view of the industrial laboratory where complex problems—design, experimentation, and production—are being solved.

Ed. Note: Any companies interested in further information regarding the R. P. I. Hartford Graduate Center, should contact Dr. Warren C. Stoker, Director, Hartford Graduate Center, Rensselaer Polytechnic Institute, East Windsor Hill, Conn.

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# **Business Tips**

By Zenon S. Malinowski, Assistant Professor of Marketing School of Business Administration, University of Connecticut

# **Education For Executives**

♦ A MAJOR problem of American business today is to find capable men to move up when executives retire, die, or leave the company and to find capable additional executives to provide for expansion. An important facet of this same problem is the proper executive training of candidates who have demonstrated potential managerial ability and the proper promotion of further development and growth of already-recognized executives.

Many companies today are bringing men with specialized technical engineering backgrounds into administrative positions. These men frequently not only need but individually feel the need for training in the art of management. Even in the case of well-entrenched executives in many companies, there is this same need for programs fostering executive development. Full potentials have been realized in only a few cases and there is a tendency toward over-specialization even in executive positions. Finally, changes in technology (such as automation), social trends, new concepts of public service, and advances in managerial control techniques such as statistical quality control, operations research, linear programming, game theory, and electronic data processing all tend to make continued education of executives a necessity in our competitive private enterprise system.

A good program to cope with these needs of executive training will emphasize ethics in management, tolerance, objectivity, perception, power of analysis and of decision-making, and other important elements of the art of managing. These requirements are being met in various ways by different firms. The Bell Telephone system went so far as to send 17 of its executives to the University of Pennsylvania for several months to pursue a humanities and liberal arts program. Although at first skeptical of the value of ancient history, Ezra Pound, and James Joyce, the executives who completed the course of study concurred upon its value in making them "more efficient in organizing the relevant facts and replacing alternative courses of action in sharp focus". Other universities

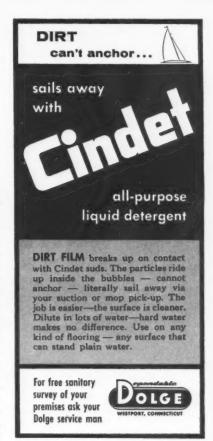
throughout the country also have assisted industry in its executive training through formal courses of study. In many cases, these programs lead to the Master of Business Administration degree.

The Master of Business Administration program does not attempt to train the student in specialized areas of business activity. Its primary objective is rather to help persons employed in business and industry to become more effective and responsible administrators through education in the basic tools and principles of management. This main objective is pursued through a curriculum that aims more specifically at developing knowledge, skill, and understanding in business concepts and interrelationships, in ethical responsibilities of business to society, in policy formulation and administration, and in operations analysis and control through the managerial tools of accounting, statistics, and economics. In many institutions, the case method is utilized so that participating executives can learn from each other as well as from their readings and from the teacher.

The University of Connecticut's Graduate School and School of Business Administration launched such a formal degree program in Hartford in September of 1956. As in the case of comparable programs in many other large cities throughout the country, the evening MBA program received a tremendous response. An original goal of twenty-five candidates was extended to thirty-five but many applicants were still unable to enter. Another group of thirty-five will be registered in September of 1957.

The scheduling of this program permits completion of all requirements for the MBA degree in three years of evening classes (two evenings per week). The first half of the candidates' program is devoted to six core courses designed to provide broad training regardless of the field of major concentration. These six courses develop managerial tools for analysis and control and acquaint the student with broad aspects of policy formulation and bus-

(Continued on page 64)







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# **Public Relations**

By A. Carl Messinger Public Relations Director

- ♦ PUBLIC relations labor-style is the subject of an article by Wayne L. Hodges, professor, School of Industrial and Labor Relations, Cornell University, in the November issue of Public Relations Journal. The article is digested in Publicity Record's December 24 issue. Several points may be of interest to Connecticut industry:
  - "Union public relations has been most effective at the national level, least effective at the community level."
  - 2. The "communications distance" between the president of an international and the union member in an industrial plant is greater than between the president of a multi-plant company and this same plant workman. "To pass the communications ball—from international president to state and district leaders, to city federation and council presidents, to local union presidents, to business agents, to stewards, to members—involves a lot of passing."
  - There is community distrust of unions. This is heightened by the union official's relative disinterest in community affairs. . . . "The basic trouble is a public distrust of organized labor as being selfish and tough."

Concerning civic activities, Professor Hodges writes that in 1947 "the CIO estimated that 5,000 members and officers served on community chest and agency boards, and in 1954 it estimated the number at 40,000. The AFL guessed about 10,000 members so served in 1954."

It is also stated that "about four per cent of school board membership is from unions—small compared with the approximately 75 per cent of such posts occupied by management executives—but nonetheless it is indicative of a concerted beginning."

So much for the professor. Some of his comments you may wish to check for yourself. Public relations people working in the philanthropic field will tell you that the most effective voluntary workers are from industry or business, or the wives of these men. It is not often that union officials will con-

tribute much to philanthropic endeavors unless there is a direct benefit to the union.

It seems to us that what the above indicates is the effectiveness of public relations—to do good and let others know. When industry implements this public relations truism, people make their own evaluation.

Union members are about 29 per cent of Connecticut's wage earners but union members are also parents, church members, veterans, homeowners and taxpayers. As long as we have the secret ballot, union membership will probably include many politically independent individuals.

What practical application does this have for public relations people of industry? As long as people are people, differences of opinion will occur and "employee families" are no exception. But, the company that participates in community activities and maintains communication with its employees as part of a year-round program cannot successfully be painted as a villanous exploiter of the working man.

Professor Hodges points out that union members are not inclined to participate in any comprehensive grassroots program for the benefit of union public relations. The rank and file prefers to talk about other subjects to their neighbors.





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# **Accounting Hints**

Contributed by

The Hartford Chapter National Association of Cost Accountants\*

# What Does Direct Labor Cost?

♦ THE outlay to manufacture a product may be studied under two broad classifications, (1) direct costs, and, (2) indirect manufacturing expenses, the latter frequently referred to as overhead, factory service, and like terminology. The indirect manufacturing expenses arise out of providing the worker with a place to work, the tools with which to work, and an organization to coordinate his activities. These items can not be identified generally with a unit of product or a production order and must be assigned to products on an equitable basis which, at times, may be arbitrary. Direct costs, on the other hand, are outlays which are easily and economically traceable to a product, service, or job. Direct costs are divided into two groups, (1) direct materials which are tangible and may be stored and held in suspense from one accounting period to another, and, (2) direct labor which is intangible and must be used currently as it can not be acquired in one accounting period and used in a subsequent accounting period. Labor acquired and not used is lost and can not be recovered. When used, the value of labor in converting products may be stored from one accounting period to another as part of the cost assigned to a product. It represents some of the value added by manufacturing.

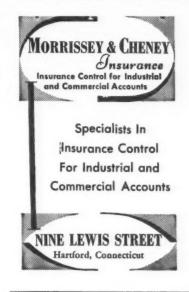
If records could be maintained in infinite detail, costs that are usually treated as indirect charges could be identified sufficiently to warrant consideration as direct charges. In the case of direct labor, many of the additional charges that have come about as a consequence of hiring direct labor in the past twenty years have been and are now being assigned as indirect costs rather than as direct costs. Let us examine some of these costs that are paid by the employer in addition to the contractual rate of pay. In sequence, there is the Workmen's Compensation Insurance. This is followed by Unemployment Compensation Insurance, the combined rate of which may be as high as three per cent (3%) on the first \$3,000 of annual earnings of each employee. The Federal Insurance Contributions Act, providing for old age and survivors insurance, adds two and one-quarter per cent (21/4%) on the first \$4,200 of annual earnings of each employee. In case a firm bears the full cost of a pension plan, another seven per cent (7%) may be added to the direct labor cost. Exclusive of Workmen's Compensation Insurance, these items exceed twelve per cent (12%) of the payroll cost on the first \$3,000 of annual earnings of each employee. Guarantees to workers for hospital, medical, sickness, disability, and life insurance will cause the cost of labor to go up proportionally. In addition to these items, account must be taken of paid vacations and holidays which may increase the direct labor payroll by as much as six per cent (6%) of the contractual rate. In most firms, these costs have been submerged in the indirect manufacturing expenses and a true measure of direct labor cost has been lost.

If one were to investigate the components of indirect manufacturing expenses, after taxes, depreciation, and property insurance have been accounted for, one would find that by far the greater portion of the remaining indirect manufacturing expenses were the result of the employment of direct labor and as such do not belong in the indirect manufacturing expense accounts.

In order to determine the cost of direct labor and obtain a better knowledge of the cost to make a product, all costs for direct labor should be collected in a direct labor clearing account from which an equated direct labor rate may be obtained. This would include not only the contractual rate of pay but also all the additional costs incurred that are directly associated with the acquisition of labor service. The hourly rate of pay for a worker need not be constant over the period of a year since some of the charges for workers' benefits drop off toward the end of the year. The unemployment insurance cost stops when the worker has earned \$3,000 in an annual period. Federal Insurance Contribution Act payments stop on amounts earned in excess of \$4,200 in any annual period. The dropping of these costs would

have a tendency to reduce the hourly rate of pay to the employer toward the end of the year.

In any case, the additional cost of labor will be charged to the work-inprocess inventory whether charged as part of the direct labor cost or as a part of the indirect manufacturing expense assignment. The advantage of assigning the additional costs of labor to the products as part of the direct labor cost is to cost the individual products manufactured more accurately. Direct costs are more readily traceable to products than are indirect costs and hence are more equitably assigned to the products that incurred the costs. Several New England firms have come to recognize the inaccuracies in costs that arise by the process of continually



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<sup>\*</sup> By Lawrence P. Webster, University of Connecticut.

adding more and more of the total cost of manufacturing to the indirect manufacturing expenses and are now using equated direct labor hour rates in costing their products. This not only gives a more accurate cost assignment, but has reduced some of the problems encountered in attempting to equitably allocate indirect manufacturing expenses to products.

One often has heard the expression, "priced out of the market." Many times an investigation will reveal that a product was not "priced out of the market," but "costed out of the market" by faulty cost assignment techniques. Cost systems should be designed in such a manner that costs incurred in making a product or providing a service are assigned to the product or service that incurs the cost.

# **Planned Packaging**

(Continued from page 8)

has been developed which puts production costs on a very economical basis.

Design is frequently controlled in some degree by filling machines which are being used more and more in this day of high labor costs. Curtis has found it imperative to work closely with filling machine manufacturers, to understand their limitations and insure the customer as high efficiency and as low costs as possible in their packing operations. Here, again, it is Curtis' responsibility to foresee and avoid production difficulties that might escape a user who has less experience in this specialized field. Curtis has even developed a semi-automatic machine to set up certain types of carton blanks in a customer's plant at a nominal cost.

#### Sales Service

It is company policy to sell only to those who are close enough to be called upon in person by a sales representative.

There are so many important details about a folding paper box that must be decided between the boxmaker and customer that is impractical to handle it on any other basis than personal interview. Curtis salesmen are trained and experienced in reviewing each factor carefully so that a satisfactory specification is developed.

The men in the field are backed up by sales service men in the office who may be reached by phone and are fully conversant with all developments pertaining to their accounts. Samplemaking, estimating, and production planning departments round out the services required.

Donald R. McCain, Jr. is Sales Manager, with five men who cover the northeastern part of the United States. In recent years the company has had a sales growth well beyond that of the industry as a whole.

## **Production**

Production is under William K. Daniells, who has responsibility for plant operations. Despite change-over problems resulting from plant expansion, dependable, consistent quality standards have been maintained. The plant is operated on a two shift basis with most of the employees living within a radius of 15 miles.

An unusual willingness to experiment has led to new methods and products which has put the company in a favorable competitive position. The most important developments are in the finishing operations, where a

variety of boxes are produced that can be rapidly assembled and filled. These developments have had a direct influence on the company's increased sales.

## **Future of the Business**

With its sound background and progressive management, the company seems assured of continued growth and success in an industry that has a promising future.

As president, Nelson Curtis combines the Yankee know-how of his forebears with an awareness of modern industrial management methods. He is a graduate of the Wharton School of Finance of the University of Pennsylvania. Keenly aware that today's business executive has a duty to his community, Mr. Curtis is not only active in local civic activities himself, but also encourages other Curtis personnel to participate in home town affairs. He is, at present, Chairman of the Newtown Board of Education and a Director of the Newtown Chamber of Commerce. Active in other phases of business as well, he is a Director of Bridgeport Hardware Mfg. Corp. and a Trustee of the Newtown Savings

H. Gould Curtis, as Vice President and Treasurer, is primarily active in the financial end of the business. His hand can be seen in the rapid, yet stable growth of the company.

He attended Georgia Tech and is, at present, Chairman of the Board of Tax Review in Newtown. He was formerly an assistant Trust Officer of the Connecticut National Bank of Bridgeport, and is now on the Advisory Board of the Newtown branch of that bank. He is also a Director of Bridgeport Hardware Mfg. Corp.

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# For Example

# HEAVY GAUGE STRIP FOR YOUR MAN-SIZE JOBS

Most strip mills roll up to .065"... some to .083". Over .083", and especially over .125" . . . sources are few and far between.

At DSC heavy gauge (up to about .187") is all in the day's work. Our equipment is husky enough to stand the gaff.

More important . . . DSC Stripmakers are old hands at manipulating stubborn, heavy hot bands and heavygauge strip in coils or cut lengths. At the other extreme we roll as light as .010".

# For Example

# HIGH CARBON STRIP FOR YOUR SPRING STEEL JOBS

We produce DSC High "C" Spring Steel up to about .156" thick depending on the analysis and the width).

It comes only "hard rolled untempered" or "soft annealed." In either case you can heat treat your own degree of "springiness", wear resistance or other required physical properties into your product.

A special combination of rolling and annealing techniques makes DSC High "C" easily workable and responsive to heat treatment.

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Every pound of DSC STRIP is fresh rolled to individual customers' orders! For example—YOUR ORDER.

Every pound of DSC STRIP is made special every step of the way to fit the specific requirements of individual jobs. For example — one of YOURS.

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## EASTERN MILL DIVISION STRIP ROLLING RANGES

LOW CARBON HIGH CARBON

CARBON .25% max.

over .25% min. to 1.05% max. up to about .156"

THICKNESS\* up to about .187" WIDTHS (slit or up to 22" rolled edge)

up to 22"

**TEMPERS** 

Hard Rolled Untempered or Soft Annealed

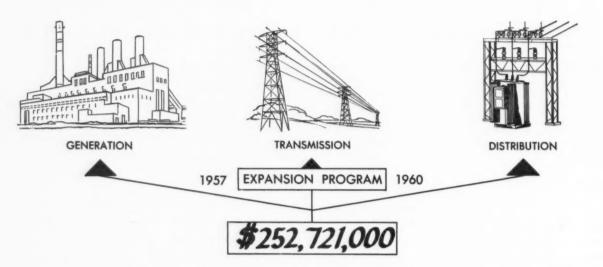
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EASTERN DISTRICT CUSTOMER "REP" OFFICES Hamden, Conn., 2061 State St., Phone STate 7-5781 New York 19, N. Y., 250 W. 57th St., Phone COlumbus 5-4870 Worcester 8, Mass., 507 Main St., Phone 5-8686

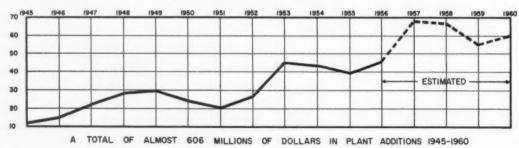
# Serve Vou Better.



From 1957 to 1960 Connecticut's electric utilities will spend an estimated \$252,721,000 for new facilities and equipment to provide more electricity for everyone . . . and more power for Connecticut industry.

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ities will build as many plants, lines and substations in the next 10 years as in the past 75 years. Building and planning for Connecticut's future is a by-word for your electric company . . . so that there will always be adequate electricity for everyone.



The Connecticut Light and Power Company The Connecticut Power Company

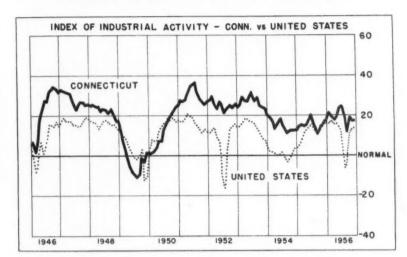
The Hartford Electric Light Company The Housatonic Public Service Company

The United Illuminating Company

# **Business Pattern**

A comprehensive summary of the ups and downs of industrial activity in Connecticut for the thirty day period ending on the 15th day of the second previous month.

# **Business Continues at High Level**



♦ DURING November the Index of Connecticut business continued to move along at a level equal to this year's average of about 18% above normal.

Because of the usual holiday pickup in retail sales forces, total non-farm employment of 908,000 set a record for the month of November.

Most of the employment gain was in the Bridgeport and Hartford areas where the combined total rose 5,000 over October.

On the National scene, a strong recovery by the auto industry and capacity steel production enabled the U. S. Index to reach an estimated 14% above normal.

# Cost of Living

From early 1953 to late '55, rises in housing costs were offset somewhat by lower food prices. But in 1956, both items have moved upward, thus causing the overall Index to rise 2.7%.

## **Earnings and Hours**

Compared to their counterparts in other New England States, Connecticut production workers are earning substantially more on both a weekly and an hourly basis.

# **Average Hours and Earnings**

Manufacturing Production Workers
October 1956

			Hourly Earnings
Connecticut	\$84.84	42.0	\$2.02
Massachusetts	73.42	39.9	1.84
Vermont	68.45	42.1	1.63
Rhode Island	66.24	38.9	1.70
Maine	65.63	41.1	1.60
New Hampshire	63.02	40.4	1.56

# **Connecticut Unemployment**

Late November layoffs in the textile and apparel industries increased the share of unemployment claims filed by females to 58%.

For the first 11 months of 1956 women have averaged over 50% of the total claimants filing. This is the highest rate in 3 years.

# **Employment Review**

While total non-farm employment reflects an 8% gain since November 1951, transportation equipment, sparked by aircraft, has experienced an amazing 80% rise. Government also made a sizable advance.

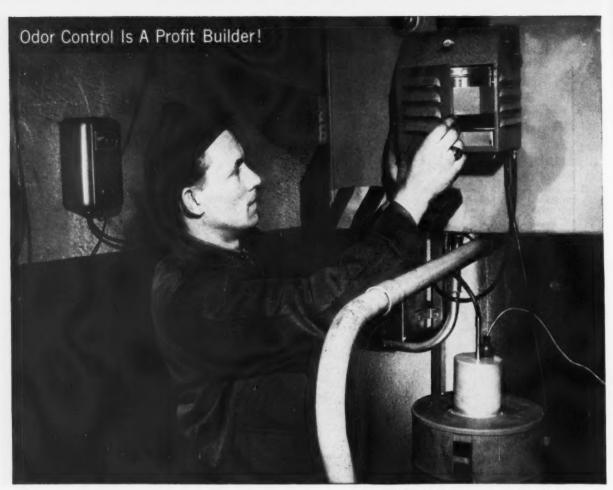
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Airkem installation on central air conditioning system. Air quality control is standard practice for many firms.

# How you can add Quality Control to treatment of indoor air

First there was indoor heating, next cooling, then humidity control. Now Airkem adds a fourth dimension—air quality control. Airkem formulations introduced into the air conditioning system effectively control odor conditions often found in enclosed areas. Airkem kills the odors of cigarettes, food, clothing—countless others—that cause staleness and make indoor air less attractive.

Crowded conditions, poor air circulation and the tendency of odors to cling to surfaces, make the neutralizing of odors important to business. Odors, even in small traces, create the impression of stale, tired air. Employee efficiency suffers, customers are less receptive. When Airkem treatment is used, the air takes on a cleaner, fresher feeling. People are happier; they become better workers, better customers.

The Airkem equipment shown above is for large areas with central air conditioning systems. It consists of a storage tank, pump, vaporizer and timing mechanism. Other units are available

for use with package air conditioners; and there are self-



Odor Control is a Profit Builder for insurance companies, motels, rest homes, hospitals, ore processors, and many other industries and institutions.

contained units for use without air conditioning. Airkem installations are used in large central and private offices, department stores, hotels, restaurants and bars—in every location where air quality can affect efficiency or sales.

If you'd like more information about AIRKEM for air conditioning and ventilating systems or for other office and plant use just call:

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Hartford	CHapel 7-3303
Lyme	GEneral 4-1000
Meriden	Ask Operator for Enterprise 2770
New Haven	MAin 4-7060
Norwich	Ask Operator for Enterprise 9810
Stamford	Fireside 8-1609
Waterbury	Ask Operator for Enterprise 2770

# Spotlight on the Future

By Chester F. Ogden, Manager of Purchases\* The Detroit Edison Company

## **General Business Conditions**

There are indications that the optimism which purchasing executives expressed for 1957, in their December comments, may have the beginning of its confirmation in the January reports.

New orders have shown a moderate upturn, with 32% saying that their position is improved. This compares with 24% who reported a better new order position in December. The number reporting a decline in new orders has dropped from December's 31% to 23% in January. Production remains high and 28% say it is better than December. However, there are many who still believe the current situation should be tempered with caution. Spotty situations still exist both geographically and in certain industries.

Our special question this month asked if the higher inventories of purchased materials reported in December, which are again confirmed this month, were intentional or the result of a drop in new orders and production. The majority of purchasing executives (59%) thought the companies over-all inventories were about right, while 30% believed them to be too high and only 8% too low. In a few cases, inventories were believed to be unbalanced, being too low on some items and too high on others.

A renewal of price increases and further inflation worry many. The attempt to keep the costs of purchased materials down so that their companies will be in a good competitive position in the markets they see ahead is frustrated by advancing prices.

Purchasing executives continue to limit their forward coverage, particularly on Production and MRO items.

As has been the case for many months, employment remains high and steady.

# **Commodity Prices**

Prices have resumed their upward spiral. The leveling trend that was reported in the last quarter of 1956 has diminished. 73% of those reporting say they are paying more for the material they buy and none says prices are lower. A number of purchasing executives have expressed the opinion that, while the Government's current tight money policy poses many problems, they believe it is a sound move for the nation's economy. They state that, for the near period ahead, inflation will continue to be the problem and, in the next few months, they look for prices to continue to move slowly upward.

## Inventories

Following the pattern of the previous two months, inventories of purchased materials again are reported on the high side, with 31% reporting increases, against 20% who state they are lower than last month. The percentage reporting inventories the same is unchanged. The general feeling remains that the slight build-up is primarily a reflection of a temporary drop in the new orders and production.

## **Employment**

Very little change is reported this month in the employment figures. Those indicating greater employment remained the same as last month, 17%, while those saying it is the same as last month dropped only 2 points, from

70% to 68%. Many part-time employees hired for the holiday season have been released and the general consensus is that employment will not fluctuate much for the next 90 days.

# **Buying Policy**

Again, as for the past two months, purchases of production materials are definitely limited to the short-term range. Some 66% of our reporting members say they are keeping commitments to 60 days or less. There is some extension to 90 days on items in short supply or where longer lead time is required by mill schedules.

MRO requirements are also being limited to immediate needs, with 65% of the buyers staying within the hand-to-mouth to 30-day range.

A slight drop in lead time for capital expenditures is noted, as the 66% in the 120 days-and-over category last month tapered off to 60% this month.

# **Specific Commodity Changes**

As might be expected, most petroleum products show general price increases. Recent freight rate hikes are also strongly reflected this month.

On the up side are: Nickel, some steel items, dyestuffs, formaldehyde, methanol, raw sugar, coke, coal, fuel and other oils, gasoline, freight rates, light bulbs, paints, and cement.

On the down side are: Brass, some copper items, tin, selenium, and lumber.

In short supply are: Nickel, structural and numerous other steel items, stainless, monel, cellophane, some items of electrical equipment.



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Gravel Packed Wells Deep Well Turbine Pumps Rock Wells Storage Tanks

SPECIALISTS IN LARGER WATER SUPPLIES

<sup>\*</sup> Composite opinion of purchasing agents who comprise the N.A.P.A. Business Survey Committee, whose Chairman is Chester F. Ogden, Manager of Purchases, The Detroit Edison Company, Detroit, Michigan.

EDITOR'S NOTE: This department, giving a partial list of peace-time products manufactured in Connecticut, seeks to facilitate contacts between prospective purchasers in domestic or foreign markets and producers. It includes only those listings purchased by Connecticut manufacturers. Interested buyers may secure further information by writing this department. Listing rates (12-time insertions only): \$6.00 for single listing. When several listings are ordered for inserti at the same time following multiple rates apply: \$10 for two and \$2.00 each beginning with the third.

Accounting Forms Baker-Goodyear Co The New Haven
Underwood Corporation Bridgeport
Underwood Corporation Bridgeport
Adhesives Polymer Industries Inc Springdale Raybestos Division Raybestos-Manhattan Inc Bridgeport
Advertising Mats Lockwood Sons Inc Wm H Hartford
Advertising Plates Lockwood Sons Inc Wm H Hartford
Advertising Specialties H C Cook Co The 32 Beaver St Halco Co New Haven
Bridgeport Brass Company Bridgeport
Air Compressors Spencer Turbine Co The Hartford
Dunham-Bush Inc West Hartford Norwalk Airconditioning Corp The (forced air heating units oil fired) South Norwalk
Wiremold Co The (Retractable) Hartford
Peabody Engineering Corporation Stamford
Air Impellers The Torrington Manufacturing Co Torrington
Aircraft Sikorsky Aircraft Division United Aircraft Corporation (helicopters)  Bridgeport
Chandler Evans Div Pratt & Whitney Co Inc. (Piston and Jet Engine Accessories—Carburetors, Fuel Controls, Afterburner Regulators, Pumps, Servomechanisms and Protek Plugs) Fenn Mfg Co The (Hardened and Ground Gears assemblies) Gabb Special Products Div E Horton & Son Company (filler caps—pressure fuel servising systems) Manning Maxwell & Moore Inc (aircraft Corp (propellors and other aircraft equipment) Manning Maxwell & Moore Inc (aircraft pressure switches and jet engine afterburner control systems) Russell Manufacturing Company The (CAA approved safety belts; webbing and hardware for safety belts; webbing and hardware for safety belts; webbing for Middletown Aircraft Components Aircraft Lengine Timing Tools Gabb Special Products Div E Horton & Son Company Aircraft Engine Timing Tools
Lycoming Division Avco Manufacturing Corp Stratford
Aircraft Fasteners Scovill Manufacturing Company Aircraft Fasteners) (PANELOC Waterbury
Gorn Electric Company Inc Stamford
Aircraft—Repair & Overhaul Airport Department Pratt & Whitney Aircraft Division Rentschler Field East Hartford
Aircraft Sheet Metal Work Aero Form Co New Haven
Britton Mfg Co Inc Hartford
United Manufacturing Co Division of The W L Maxson Corp
Alumilite Aluminum Sheets Leed Co The H A Hamden

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Manning Maxwell & Moore Inc (aircraft pres-	Hu J H
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Newton-New Haven Co 688 Third Avenue	Balls
Charles Parker Company The West Haven Meriden	Abbott Ball Co The (steel bearing and burnish- ing) Hartford Hartford Steel Ball Co The (steel bearing and
Bridgeport Brass Company Bridgeport	aluminum)  Kilian Steel Ball Corp The  Stein Ball Corp The  Hartford Hartford
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Aluminum Ingots Lapides Metals Corp New Haven	Banbury Mixers Farrel-Birmingham Company Inc Ansonia
Aluminum Sand Castings Bridgeport Deoxidized Bronze Corp Bridgeport	Abbott Ball Co The (burnishing and tumbling)
Aluminum-Sheet and Rod	Hartford-Steel Ball Co The (tumbling) Hartford
Scovill Manufacturing Company Waterbury	Rolock Inc Baskets—Wire Fairfield
Aluminum—Sheets & Colls United Smelting & Aluminum Co Inc New Haven	Charles Parker Co The Meriden
Ammunition	Batteries Electrical Div Olin Mathieson Chemical Corp
Arms and Ammunition Div Olin Mathieson Chemical Corp New Haven Remington Arms Co Inc and Peters Cartridge	(flashlight, radio, hearing aid and others) New Haven
Div Bridgeport  Anodizing	Sperry Products Inc Danbury
Comco Inc Div of Enthone Inc New Haven Leed Co The H A Hamden	Bearings
Light Metals Coloring Co Inc Watertown	
Anodizing Equipment Comco Inc Div of Enthone Inc New Haven	Barden Corporation The (ball) Danbury Fafnir Bearing Co (ball) New Britain Marlin-Rockwell Corporation Plainville New Departure Div of General Motors (ball) Norma-Hoffman Passines Computer
Asbestos	Normalin Bearings Corp (ban and
Auburn Manufacturing Company The (gaskets, packings, wicks) Middletown	Rellows Assemblies
Asarcon Bronze Knapp Foundry Company Inc (bushing & Guilford	Bridgeport Thermostat Div Robertshaw- Fulton Controls Co Milford Bellows-Metallic
Assemblies—Small Barnes Co The Wallace Div Associated Spring Corp Bristol	Bridgeport Thermostat Div Robertshaw- Fulton Controls Co Milford
Greist Manufacturing Co The Humason Mfg Co The Forestville	Bevin Brothers Mfg Co Gong Bell Co The N N Hill Brass Co The East Hampton East Hampton
	N N Hill Brass Co The East Hampton Belt Fasteners
Automatic Buffing & Polishing Machines Harper Buffing Machine Company The East Hampton	Saling Manufacturing Company (patented self- aligning) Unionville Belting
Auto Cable Housing Wiremold Company The Hartford	Hartford Belting Co Hartford Russell Mfg Co The Middletown
Automatic Control Instruments  Bristol Co The (temperature, pressure, flow, humidity, time)  Waterbury	Bends-Pipe or Tube National Pipe Bending Co The 160 River St New Haven
Automobile Accessories Kilbourn-Sauer Company (lights and other acces-	Bicycle Coaster Brakes New Departure Div General Motors Corp Bristol
sories) Fairfield	Bicycle Sundries
Automotive Bodies Metropolitan Body Company Bridgeport	New Departure Div General Motors Corp Bristol
Bridgeport Thermostat Div Robertshaw-	Colonial Board Company Manchester
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laneous Rubber) Bridgeport	Bennett Metal Treating Co The 1045 New Britain Ave Elmwood
Automotive & Service Station Equipment Scovill Manufacturing Company Dispensers) (Canned Oil Waterbury 91	Blades Capewell Manufacturing Company Metal Saw Division (hack saw and band saw) Hartford
Automotive Tools Eis Manufacturing Company Middletown	Blocks Howard Company (cupola fire clay) New Haven
Bags-Paper	Blower Fans
Continental Can Co Paper Container Div Kensington	Colonial Blower Company Spencer Turbine Co The Hartford (Advt.)

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Blower Systems Colonial Blower Company Plainville Higher Company Plainville Middletown	Brass & Bronze Ingot Metal Mitchell Smelting & Refining Co Inc Plume & Atwood Mfg Co The Thomaston	Cabinets Charles Parker Co The (medicine) Meride
Blower Wheels  orrington Manufacturing Company The  Torrington	Whipple and Choate Company The Bridgeport Brass, Bronze, Aluminum Castings	Cabinet Work Hartford Builders Finish Co Hartfor
Blueprints and Photostats oseph Merritt & Co Hartford	Charles Parker Company The Meriden Victors Brass Foundry Inc Guilford  Brass Goods	Cable—Asbestos Insulated Rockbestos Products Corp New Have
Bollers Rigelow Co The New Haven General Electric Company (Residential oil and	American Brass Company The Waterbury Plume & Atwood Mfg Co The (to order) Waterbury	Cable-Interlocked Armor General Electric Company Bridgepon
gas fired steam and hot water) Bridgeport Bolts and Nuts	Rostand Mfg Co The (Ecclesiastical Brass Wares) Milford Scovill Manufacturing Company (to order)	General Electric Company Bridgepo
Blake & Johnson Co The (nuts machine screw- bolts, stove) Waterville Clark Brothers Bolt Co Milldale	Waterbury 91 Western Brass Mills Div Olin Mathieson Chemical Corp New Haven	Cable—Service Entrance General Electric Company Bridgepo
Boring Tools Atrax Company The (solid carbide) Newington	Brass Mill Products American Brass Company The Waterbury	Cages Andrew B Hendryx Co The (bird and anima
ird & Son Inc ederal Paper Board Co Inc	Bridgeport Brass Co Chase Brass & Copper Co Plume & Atwood Mfg Co The Scovill Manufacturing Company Waterbury 91	New Have
Montville, New Haven & Versailles ydall & Foulds Paper Co The obertson Paper Box Co Montville	Scovill Manufacturing Company Waterbury 91 Western Brass Mills Div Olin Mathieson Chem- ical Corp New Haven	American Cam Company Inc Hartfo Hartford Special Machinery Co The Rowbottom Machine Company Inc Waterbu
Gair Company Inc Robert Montville New Haven Board and Carton Co The New Haven	Breathing Equipment Cycle-Flo Company The Milford	F B Skiff Inc Canvas Products Hartfo
Boxes  Bird & Son Inc (corrugated, solid fibre, cleated containers)  New Britain Connecticut Container Corporation  New Haven	Donnelly Brick Co The New Britain	Capacitors  Electro Motive Mfg Co Inc The (mica & triumer)  Williams
air Company Inc Robert (corrugated and solid fibre shipping containers) Portland derriam Mfg Co (steel cash, bond, security, fitted tool and tackle boxes) Durham	Howard Company New Haven Mullite Refractories Co The Shelton	Carbide Drawing Dies State Products Co (eyelet special shape die Oakvi
ntted tool and tackle boxes) Inddletown Mig Co (metal) Middletown Varner Bros Co The (Acetate, Paper, Acetate and Paper Combinations, Counter Display, Setup) Bridgeport	Bright Wire Goods Sargent & Company (Screw Eyes, Screw Hooks, Cup Hooks, Hooks and Eyes, C H Hooks) New Haven	Carbide Shape Dies Thomaston Tool & Die Co (any form) Thomast
Boxes and Crates City Lumber Co of Bridgeport Inc The Bridgeport	Broaching Hartford Special Machinery Co The Hartford	Atrax Company The (solid) Precision Tool & Die Co  Newingt Waterbu
Boxes—Folding eshine Carton Co  Boxes—Metal	Charles Parker Co Meriden Knapp Foundry Company Inc (rough or inse	Card Clothing Standard Card Clothing Co The (for texmills) Stafford Spring
Ierriam Mfg Co (Bond and Security, Cash and Utility, Personal Files and Drawer Safes) Durham	chined) Guilford  Bronze Sand Castings Bridgeport Deoxidized Bronze Corp	Card Indexes Wassell Organization Inc Westpo
covill Manufacturing Company (aluminum, brass, bronze, copper-cosmetic, drug, hair pin, ointment, pill, powder, rouge, vanity) Waterbury	Bridgeport Brooms—Brushes	Carpenter's Tools Sargent & Company (Planes, Squares, Plu Bobs, Bench Screws, Clamps and Saw Vio
Boxes—Paper—Folding Atlantic Carton Corp Norwich	Fuller Brush Co The Hartford  Buckles  B Schwanda & Sons Staffordville	New Har Carpet B F Goodrich Sponge Products Division Shel
Bridgeport Paper Box Co Bridgeport Surpenter-Hayes Paper Box Co Inc East Hampton Surtis & Sons Inc S Sandy Hook	G E Prentice Mfg Co The Hawie Mfg Co Tbe North & Judd Manufacturing Co New Britain	Carpet Cushion B F Goodrich Sponge Products Division Shel
olding Cartons Incorporated (paper, folding) Versailles Jair Company Inc Robert Montville	Patent Button Co The Waterbury Risdon Manufacturing Co John M Russell Div Naugatuck	Carpets and Rugs Bigelow-Sanford Carpet Co Thompsonv
I J Mills Inc Bristol lational Folding Box Co Div Federal Paper Board Co Inc (paper folding) New Haven and Versailles	Buffing & Polishing Compositions Apothecaries Hall Co Waterbury Lea Mig Co Waterbury	Casters  Bassick Company The (Industrial and General Bridge)
New Haven Board and Carton Co The New Haven Robertson Paper Box Co Montville	Burners Plume & Atwood Mfg Co The (kerosene oil Inghting) Thomaston	Casters-Industrial George P Clark Co Windsor Lo
Varner Bros Co The Bridgeport  Boxes-Paper-Setup  Bridgeport Paper Box Co. Bridgeport	Burners—Automatic Peabody Engineering Corporation Stamford	Castings Connecticut Foundry Co (grey iron)
Heminway Corporation The J Mills Inc Bristol Strouse Adler Company The New Haven	Burners—Coal and Oil Peabody Engineering Corporation (Combined) Stamford	Connecticut Malleable Castings Co (mallea iron castings) New Ha Charles Parker Company The (brass, brow
Varner Bros Co The Bridgeport Braid-Elastic & Non-elastic Essex Mills Inc Essex	Burners—Gas Peabody Engineering Corporation (Blast Fur-	aluminum) Meri Ductile Iron Foundry Inc Stratf Eastern Malleable Iron Company The (ma
Brake Cables Eis Manufacturing Co Middletown	Burners—Gas and Oll Peabody Engineering Corporation (Combined)	Farrel-Birmingham Company Inc (Meehan Nodular, Iron, Steel)
Brake Linings Raybestos Division of Raybestos-Manhattan Inc (Automotive and Industrial) Bridgeport Russell Mfg Co The Middletown	Stamford  Burners—Refinery Peabody Engineering Corporation (For Gas and Oil) Stamford	H. R. Engineering Laboratories Inc (c trifugal steel mold) East Hadd Hartford Electric Steel Corp The (stain steel) Hartf
Brake Service Parts Eis Manufacturing Co Middletown	Burnishing Abbott Ball Co The (Burnishing Barrells and	Plainville Casting Company (gray, alloy high tensile irons)  Malleable Iron Fittings Co (malleable iron tensile iron tensi
Brass & Bronze  American Brass Co The (sheet, wire, rods, tubes)  Waterbury  Bridgeport Brass Company (sheet, rod, wire and	Burnishing Media) Hartford Pioneer Steel Ball Company Inc (balls, cones, other metallic shapes) Unionville	steel)  McLagon Foundry Co (grey iron)  New Haven Co (zinc and aluminu  688 Third Ave West Ha
tubing) Bristol Brass Corp The (sheet, wire, rods) Bristol	Atrax Company The (carbide) Newington Pratt & Whitney Co Inc West Hartford	Philbrick-Booth & Spencer Inc (grey iron) Harti
Chase Brass & Copper Co Waterbury Miller Company The (phosphor bronze and brass	Distribution Assemblies Department, General Electric Co	Producto Machine Company The Bridge Scovill Manufacturing Company (Brass Bronze) Turner & Seymour Mfg Co The (gray in semi steel and alloy)
in sheets, strips, rolls)  Plume & Atwood Mfg Co The (sheet, wire, rod)  Thomaston  Covill Manufacturing Company  Waterbury 91	Buttons B Schwanda & Sons Staffordville	Union Mfg Co (grey iron & semi steel) New Bri
Seymour Mig Co The (strip, sheet & wire) Seymour Tinsheet Metals Co The (sheets and rolls)	Frank Parizek Manufacturing Co The Putnam Patent Button Co The Waterbury Scovill Manufacturing Company (Uniform and	Waterbury Foundry Company The (highway sash weights) Waterb Wilcox Crittenden & Co Inc (gray iron :
Waterbury Western Brass Mills Division of Olin Industries Inc (sheet, strip) New Haven	Tack Fasteners) Waterbury 91 Waterbury Companies Inc (Uniform and Fancy Dress) Waterbury	Williams Foundry Inc Middlete New Brit (Adv

Castings—Investment Arwood Precision Casting Corp Groton Cement-filler	Coatings  Bischoff Chemical Corporation (Peelable Plastic Coatings) Ivoryton	Copper Castings Knapp Foundry Company Inc Guilford
Clark Cast Steel Cement Company (iron) Clinton	Coil Winding Machines Boesch Mfg Co Inc Danbury	Copper Sand Castings Bridgeport Deoxidized Bronze Corp Bridgeport
Cements—Refractory Mullite Refractory Co The Shelton Centerless Grinding	Colls Dano Electric Company Winsted	Copper Sheets American Brass Company The Waterbury
Winsted Centerless Co Winsted	Colls—Electric Bittermann Electric Company Canaan	New Haven Copper Co The Seymour  Copper Shingles
Ready Tool Co The (anti friction, carbide tipped, high speed)  Bridgeport	Colls-Pipe or Tube National Pipe Bending Co The 160 River St New Haven	New Haven Copper Co The Seymour Copperware
Risdon Manufacturing Co John M Russel Div Naugatuck	Whitlock Manufacturing Co The Hartford  Cold Molded Electrical Insulation	Bridgeport Brass Company (cooking utensils) Bridgeport
Turner and Seymour Mfg Co The (weldless, sash, jack, safety, furnace, universal, lion and cable)  Torrington  Chain—Bead	Meriden Molded Plastics Meriden  Commercial Heat Treating  A F Holden Company The	American Brass Company The Bridgeport Brass Co Bridgeport Brass Co
Auto-Swage Products Inc Shelton Bead Chain Mfg Co The Bridgeport	52 Richard St West Haven Commercial Truck Bodies	General Electric Company Bridgeport
Chain—Power Transmission and Conveying Whitney Chain Company Hartford Chairs	Metropolitan Body Company Bridgeport  Compacts	General Electric Company Bridgeport
The Hitchcock Chair Company Riverton Chemical Analysis	Scovill Manufacturing Company (powder and rouge) Waterbury	Essex Mills Inc Essex
State Testing Laboratory Bridgeport Chemical Manufacturing	Comparators Pratt & Whitney Co Inc (Electro-limit and Air-O-Limit) West Hartford	General Electric Company Bridgeport  Cords—Portable
Carwin Company The North Haven  Chemicals  Apothecaries Hall Co Waterbury	Compressors Norwalk Company Inc (high pressure air and	General Electric Company Bridgeport  Cord Sets-Electric
Carwin Company The North Haven Macalaster Bicknell Company New Haven	gas) South Norwalk  Computers Newton Co The (electronic) Manchester	General Electric Company Seeger-Williams Inc Bridgeport Bridgeport
MacDermid Incorporated Waterbury Naugatuck Chemical Division United States Rubber Co New England Lime Company Canaan	Reflectone Corporation The Stamford  Concrete Products	Sonoco Products Co (Climax-Lowell Div)  Mysti
Pfizer & Co Inc Chas Groton United States Chemical Corp (maintenance	Plastricrete Corp Hamden  Condenser and Heat Exchanger Tubes	Correspondence Files Wassell Organization Inc Westport
and powdered hand soap, floor waxes, cleaners, disinfectants, fuel additives) New Haven	Bridgeport Brass Company Bridgeport Scovill Manufacturing Company Waterbury	Corrugated Box Manufacturers Connecticut Container Corporation New Have: Corrugated Containers Inc Hartfor
Chemicals—Agriculture Naugatuck Chemical Division United States Rubber Co (insecticides, fungicides, weed killers) Naugatuck	Sonoco Products Co (Climax-Lowell Div) (Paper) Mystic	Corrugated Shipping Cases Connecticut Container Corporation New Have
Christmas Light Clips Foursome Manufacturing Co Bristol	McNeal J D (Electrical and Electronic) New Haven	Connecticut Corrugated Box Div Robert Gair C Inc Portlan D L & D Container Corp 87 Shelton Ave
Chromium Plating Chromium Process Company The City Plating Works Inc  Waterbury Shelton Bridgeport	Standish Associates Fairfield Stanley P Rockwell Co Inc The (Consulting) 296 Homestead Ave Hartford	Cosmetic Containers Eyelet Specialty Co The Waterbur
Cushman Chuck Co The Hartford Horton Chuck Div The E Horton & Son Com-	Pratt & Whitney Co Inc West Hartford	Plume & Atwood Mfg Co The (metal) Thomasto Scovill Manufacturing Company Waterbur
pany Jacobs Manufacturing Co The Union Manufacturing Company  Windsor Locks West Hartford New Britain	Contract Machining Laurel Mfg Co Inc (Precision Production Small Parts) Plainville Malleable Iron Fittings Company Branford	J B Williams Co The Glastonbur
Jacobs Manufacturing Co The West Hartford	Charles Parker Co Meriden Contract Manufacturers	Cotton and Asbestos Wicking Bland Burner Co The Hartfor
Cushman Chuck Co The Hartford Union Mfg Co New Britain Horton Chuck Div The E Horton & Son Com-	Fenn Mfg Co The (Precision Machine Work) Newington Greist Mfg Co The (metal parts and assemblies)	Veeder-Root Inc Hartfor
pany Windsor Locks Chucks-Power Operated	503 Blake St New Haven Merriam Mfg Co (production runs—metal boxes and containers to specifications) Durham Charles Parker Co (sheet metal fabricators)	Scovill Manufacturing Company (hose an tube) Waterbur
Union Manufacturing Company New Britain Circuit Breakers	Plume & Atwood Mfg Co The (metal parts and assemblies)  Thomaston	J-B Engineering Sales Co New Have
Trumbull Components Department, General Electric Co Plainville  Circulating Pumps	Scovill Manufacturing Company (metal parts and assemblies) Waterbury 91 J H Sessions & Son Bristol	Farrel-Birmingham Company Inc (Stone an Ore)
Corley Co Inc The Plainville  Clay  Howard Company (Fire Howard "B" and High Temperature Dry)  New Haven	Controllers Bristol Company The Waterbury Manning Maxwell & Moore Inc Stratford	Cups—Paper Continental Can Co Paper Container Div Kensingto
Cleaning Compounds Enthone Inc (Industrial)  New Haven	Controls—Remote Panish Controls (Remote Controls for Marine & Aeronautic Applications) Bridgeport	Cushioning for Packaging B F Goodrich Sponge Products Division Gilman Brothers Co The Gilms
MacDermid Incorporated Waterbury	Sperry Products Inc Danbury	Dextone Co The Cut Stone New Have
Clock Mechanisms Lux Clock Mfg Co The Waterbury Clocks	Converters DC to AC Electric Specialty Co  Stamford	Cutters  Atrax Company The (solid carbide) Newingto Barnes Tool Company The (pipe cutters, han
E Ingraham Co The Seth Thomas Clocks United States Time Corporation The Waterbury	Conveyor Systems Leeds Conveyor Mig Co The Production Equipment Co  East Haven Meriden	Mitrametric Co The (ground pinion)
Lux Clock Mfg Co The Waterbury	Copper American Brass Corp The (sheet, wire, rods, tubes)  Waterbury	Pratt & Whitney Co Inc (Milling Cutters a types) West Hartfor
Clocks—Automatic Cooking Lux Clock Mfg Co The Waterbury	Bridgeport Brass Company (sheet, rod, wire and tubing) Bridgeport	Cutting & Creasing Rule Bartholomew Co H I Brist
Snow-Nabstedt Gear Corp The New Haven	Chase Brass & Copper Co (sheet, rod, wire tube) Waterbury	Decalcomanias Sirocco Screenprints New Have
Clutch Facings Raybestos Division of Raybestos-Manhattan Inc (Molded, Woven, Semi-metallic and Full- metallic) Bridgeport	Thinsheet Metals Co The (sheets and rolls) Waterbury Western Brass Mills Div Olin Mathieson Chemical Corp New Haven	Deep Hole Drilling & Reaming Hamden Deep Hole Drilling Co Wilson Arms Co The  (Advt

I J MAD		1 1 0 1 1 0 0 1
Deep Drawings Stanley Pressed Metal New Britain	Corley Co Inc The Plainville	Electric Woven Heating Elements Pre-Fab Heating Co Inc Guilford
Delayed Action Mechanism  M H Rhodes Inc Hartford  W Cramer Company Inc The Centerbrook	Drill Presses Townsend Mfg Co The H P Elmwood	Electrical and Electronic Assemblies Sight Light Div The American Machine & Deep River
Demineralizers Crystal Research Laboratories Hartford	Drilling Machines Howe & Fant Inc (Turret Type)	Electrical Conduit Pittings & Grounding Specialties
Design & Drafting Service Smith & Winchester Mig Co The	Pratt & Whitney Co Inc (Deep Hole) West Hartford	Gillette-Vibber Company The New London  Electrical Connectors
South Windham  Design and Development	Drilling and Tapping Machinery	Burndy Engineering Co Inc Norwalk  Electrical Control Apparatus
ight Light Div The American & Machine & Foundry Co (electrical and electronic equipment)  Deep River	Hartford Special Machinery Co The Hartford  Drop Forgings  Pleasterille	Plainville Electrical Products Co The Plainvill
Development Work Saybrook Manufacturing Inc Old Saybrook	Atwater Mfg Co Billings & Spencer Co The Consolidated Industries Wilcox Crittenden & Co Inc Middletown	A C Gilbert Co New Haven
Diamonds—Industrial Diamond Tool and Die Works Hartford	Druggists' Rubber Sundries Seamless Rubber Company The New Haven	Electrical Motors Electric Specialty Co U S Electrical Motors Inc Stamford Milford
Dictating Machines Dictaphone Corporation Gray Manufacturing Company The Hartford	Duplicating Machines—Automatic Pratt & Whitney Co Inc West Hartford	Bristol Co The Waterbury
SoundScriber Corporation The New Haven	Duplicator Tables	Electrical Relays and Controls Allied Control Co Plantsville
C & F Tool & Die Corp Bridgeport	Regent Machine Co Bridgeport  Elastic Narrow Fabric	Electrical Switchboards Plainville Electrical Products Co The
Die Castings	Essex Mills Inc Essex	Pneumatic Applications Co  Plainville Simsbury
Mt Vernon Die Casting Co Newton-New Haven Co Inc  Stamford New Haven	General Electric Company (for residential, commercial and industrial applications)  Bridgeport	McNeal J D New Haven
Die Casting Dies  ABA Tool & Die Co  Eastern Machine Screw Corp The Truman & Barclay Sts  New Haven	Rockbestos Products Corp (asbestos insulated) New Haven	Wiremold Co The Hartford
Parker Stamp Works Co The Hartford Weimann Bros Mfg Co The Derby	Electric—Commutators & Segments Cameron Elec Mfg Co The (rewinding motors) Ansonia	Terrville Manufacturing Co (Stampings to cus tomer specifications Terryville
Die Heads-Self Opening Eastern Machine Screw Corp The New Haven Geometric Tool Division, Greenfield Tap & Die Corp New Haven	Electric Cord Springs Bristol Spring Manufacturing Co Plainville	Electronics Gray Manufacturing Company The Hartfor McNeal J D New Have Middletown Mfg Co (metal cabinets, chassis
Die Polishing Machinery Hartford Special Machinery Co The Hartford	Electric Cords General Electric Company Bridgeport Rockbestos Products Corp (asbestos insulated) New Haven	panels, brackets, cases) Newton Co The Ripley Co Sturrup Larabee & Warmers Inc Middletow Middletow Middletow
Pratt & Whitney Co Inc (Precision) West Hartford	Ripley Company Inc Middletown	City Plating Works Inc Bridgepor
Producto Machine Company The Bridgeport Union Mfg Co (precision, steel and semi-steel) New Britain	Rockbestos Products Corp (asbestos insulated) New Haven	National Sherardizing & Machine Co Hartfor Waterbury Plating Company Waterbur
Pratt & Whitney Co Inc West Hartford	Electric Hand Irons Winsted Hardware Mfg Co (trade mark "Durabilt") Winsted	Electroplating—Equipment & Supplies Comco Inc Div of Enthone Inc Lea Manufacturing Co The MacDermid Incorporated  Waterbur Waterbur
Dies Hoggson & Pettis Mfg Co The 141 Brewery St New Haven	$\begin{array}{ccc} & \textbf{Electric Heating Elements} \\ \text{Hartford} & \textbf{Element Co} & \text{Hartford} \end{array}$	Electroplating Processes & Supplies Enthone Inc United Chromium Incorporated Waterbur
Mitrametric Co The (ground for gears) Torrington Parker Stamp Works Inc The (plastics and	General Electric Company Bridgeport	Electrotypes Barnum-Hayward Electrotype Co Inc
die castings)  Pratt & Whitney Co Inc (Monocone and Ducone Dies)  West Hartford	Case Brothers Inc Manchester Stevens Paper Mills Inc The Windsor	Lockwood Sons Inc Wm H Hartfor New Haven Electrotype Div Electrographic Cor
Douglas Co Geo M New Haven	Electric Lighting Fixtures Fan-Craft Mfg Co (residential, church, post	New Have  Elevators  Eastern Elevator Co (passenger and freight)
Display Containers National Folding Box Co Div Federal Paper	lanterns) Plainville Plume & Atwood Mfg Co The Wasley Products Inc Plainville Plainville	General Elevator Service Co  New Have Hartfor
Board Co Inc (folding paperboard) New Haven and Versailles	Electric Motor Controls	Enameling Waterbury Plating Company Waterbur
Displays—Metal Durham Mfg Co The (Designing & Mfg to customers' specifications) Durham Durham	Arrow-Hart & Hegeman Electric Co The Hartford	Enamels & Lacquers  Dobbs Chemical Co The (industrial finish to customers' specifications) New Have
Merriam Mfg Co (Contract Work to Individual Specifications) Durham Parsons Co Inc W A (custom designed)	Berger Sign Co Hartford	End Milling Cutters Pratt & Whitney Co Inc West Hartfo
Distribution Centers Distribution Assemblies Department, General Electric Co Plainville	Electric Switches Arrow-Hart & Hegeman Electric Co The Hartford	End Mills Atrax Company The (solid carbide) Newingto
Door Closers Sargent & Company Yale & Towne Mfg Co The Stamford	Cramer Controls Corporation The Centerbrook	Engines Pratt & Whitney Aircraft Div United Aircra Corp (aircraft) East Hartfo
Doors Bilco Co The (metal, residential and commercial) West Haven	Electric Underfloor Duct System General Electric Company Bridgeport	Envelopes Curtis 1000 Inc United States Envelope Company
Dowel Pins Allen Manufacturing Co The Hartford	General Electric Company Bridgeport Rockbestos Products Corp (asbestos insulated) New Haven	Hartford Division Hartfo  Envelopes—Stock and Special  Continental Can Co Paper Container Div
Holo-Krome Screw Corp The West Hartford  Drafting Accessories	Electric Wiring Devices Arrow-Hart & Hegeman Electric Co The	Kensingt Environmental Testing

Drafting Accessories
Joseph Merritt & Co

Hartford

Electric Wiring Devices
Arrow-Hart & Hegeman Electric Co The Hartford State Testing Laboratory

Bridgeport

#### ADE IN ON NECTIC T

Extractors—Tap
West Hartford Walton Company The

Extruders and Accessories
Standard Machinery Co The (for the Wire and Cable Mfrs)

Eyelets
American Brass Company The
Mark Eyelet & Stamping Co. (small—metal
stampings)
Wolcott Platt Bros & Co The P O Box 1030 Wolcott
Plume & Atwood Mfg Co The
Scovill Manufacturing Company
Stevens Co Inc
Waterbury 91
Waterbury Thomaston Waterbury 91 Waterbury Waterbury Waterbury Companies Inc

Eyelets, Ferrules and Wiring Terminals American Brass Company The Waterbury Companies Inc Waterbu Waterbury Waterbury

Eyelet Machine Products
American Brass Company The
Ball & Socket Mfg Co The
Cold Forming Mfg Co The
Plume & Atwood Mfg Co The
Stevens Co Inc
Waterbury Companies Inc Waterbury West Cheshire Waterbury Thomastor Waterbury

Fabricators Scovill Manufacturing Company brass, bronze, copper, steel) (aluminum, Waterbury

Fan Blades
Torrington Manufacturing Company The
Torrington

Fancy Dress Buttons and Buckles
Waterbury Companies Inc Waterbury

Fans-Electric
General Electric Company Bridgeport

Fasteners—Aircraft
Scovill Manufacturing Company
Aircraft Fasteners) (PANELOC Waterbury

Fasteners—Laundry Proof
Scovill Manufacturing Company (GRIPPER
Waterbury
Waterbury

snap fasteners.

Fasteners—Silde & Snap

G E Prentice Mfg Co The Kensington
Scovill Manufacturing Company (GRIPPER
zippers and GRIPPER snap fasteners)

Waterbury

Felt
Auburn Manufacturing Company The (mechaniMiddletown
Middletown cal, cut parts) Middletown
Drycor Felt Company (paper makers and industrial) Staffordville

Felt-All Purpose
American Felt Co (Mill & Cutting Plant) Chas W House & Sons Inc (Mills & Cutting Plant)

Chas W House & Sons Inc (Mills & Cutting Plant)

Fenders—Boat
B F Goodrich Sponge Products Division Shelton

Fiber-glass Fabrication
Davis Co The E J New Haven

Fibre Board Bird & Son Inc
Lase Brothers Inc
C H Norton Co The
Stevens Paper Mills Inc The
Windsor

Stevens Paper Mills ...
File Cards
Standard Card Clothing Co The
Stafford Springs

Filing Equipment
Wassell Organization Inc Westport Films Cine-Video Productions Inc

Finger Nail Clippers
H C Cook Co The 32 Beaver St Ansonia

Firearms Junior Screw Machine Products Inc

West Haven New Haven New Haven Marlin Firearms Co The
O F Mosberg & Sons Inc
Remington Arms Company Inc
Arms and Ammunition Div Olin
Chemical Corp Bridgeport Mathieson New Haven

Fire Alarm Systems Fire-Lite Alarms Inc New Haven

Fire Hose
Fabrics Fire Hose (municipal and industrial)
Sandy Hook

Fireplace Goods

American Windshield & Specialty Co The
881 Boston Post Road
John P Smith Co The (screens) 423-33 Chapel
New Haven

Fireproof Floor Joists
Dextone Co The New Haven

Fireworks M Backes' Sons Inc Wallingford Fishing Tackle H C Cook Co The 32 Beaver St

Flashlights
Bridgeport Metal Goods Mfg Co
Electrical Div Olin Mathieson ( Bridgeport mical Corp Chemical Cor New Have

Flat Springs Bristol Spring Manufacturing Co Gemco Manufacturing Co Inc Plainville Southington

Flexible Shaft Machines
Pratt & Whitney Co Inc We West Hartford Floor & Ceiling Plates Beaton & Cadwell Mfg Co The

Fluorescent Lighting Equipment
Fullerton Manufacturing Corp Norwalk
Vanderman Manufacturing Co The
Wiremold Company The
Hartford

Foam Rubber
Armstrong Rubber Company
West Haven

B F Goodrich Sponge ...

Forgings
Atwater Manufacturing Company
Compan Capewell Manufacturing Company
Clark Brothers Bolt Co
Consolidated Industries Inc
West Cheshire
Heppenstall Co (all kinds and shapes)
Bridgeport
Non-ferrous)

Scovill Manufacturing Company (Non-ferrous) Waterbury 91

Foundries
Connecticut Malleable Castings
Co (malleable New Haven
Stratford
Stratford
Stratford
Stratford
Stratford
Stratford
Stratford Connections iron castings)
iron castings)
Ductile Iron Foundry Inc
Farrel-Birmingham Company Inc
(Iron
Ar Iron and Ansonia Hartford Steel)
Hartford Electric Steel Corp The
Charles Parker Company The (brass,
Austrian
Charles Parker Company The (brass,
Meriden
Plainville Casting Company (gray,
Alloy and Plainville Casting Company (gray, alloy and high tensile irons)
Producto Machine Company The Bridgeport Smith & Winchester Mfg Co The South Windham Turner & Seymour Mfg Co The (gray, iron, semi steel and alloy)
Union Mfg Co (gray iron & semi steel)
New Britain

New Britain Wilcox Crittenden & Co Inc (iron, brass, aluminum and bronze)
Williams Foundry Inc New Britain

New Britain Fountain Pens and Mechanical Pencils Waterman Pen Company Inc Seym

John P Smith Co The 4 423-33 Chapel St New Haven

Peck Spring Co Plainville Peck Spring Co Frames—Hack Saw Thompson & Son Co The Henry G. New Haven

Fuel Oil Pump and Heater Sets Peabody Engineering Corporation S

Furnaces Norwalk Airconditioning Corp The (warm air oil fired)

South Norwalk

Gage Blocks
Pratt & Whitney Co Inc (Alloy steel and Carbide, Hoke and USA)

West Hartford

Galvanizing Malleable Iron Fittings Co Wilcox Crittenden & Co Inc Branford Middletown

Gaskets
Auburn Manufacturing Company The (from all Middletown materials) Middletown Raybestos Division of Raybestos-Manhattan Inc Bridgeport Tsingris Die Cutting Corp (from all mate-rials) Waterbury

Gaskets-Insulation
American Felt Co

Gas Range Conversion Burner
Holyoke Heater Corp of Conn Inc Hartford
Gas Scrubbers, Coolers and Absorbers
Peabody Engineering Corporation Stamford

Gauges Bristol Co The (pressure and vacuum-recording automatic control) Waterbury Helicoid Gage Division American Chain & Cable Co The (pressure and vacuum)

Manning Maxwell & Moore Inc Stratford Pratt & Whitney Co Inc (Precision Measurement all types)

West Hartford

Gears
Mitrametric Co The (blanked fine pitch) Torrington

Gears and Gear Cutting
Farrel-Birmingham Company Inc
Fenn Mfg Co The
Hartford Special Machinery Co The Ansonia

Glass Blowing Arnco Sign Co (scientific apparatus) Meriden Macalaster Bicknell Company New Haven

Glass Cutters Fletcher-Terry Co The Forestville. Glass Machinery
Tavano Mfg Co

Tavano Mtg Co
Gold & Silver Plating
Donham Craft Inc (on metals & plastics)
Thomaston Torrington

Golf Equipment

Horton Mfg Co The (clubs, shafts, balls, bags)

Bristol

A D Steinbach & Sons Inc New Haven

Grinding Farrel-Birmingham Company Inc (Roll and Cylinderical)

Hartford Special Machinery
threads, cams and splines)
Horberg Grinding Industries
custom grinding; centerless, cylindrical, surfaces, internal and special)

19 Staples St Bridgeport

Pratt & Whitney Co Inc (Pneumatic, High Speed) West Hartford

Grinding Machines
Farrel-Birmingham Company Inc (Roll) Pratt & Whitney Co Inc (Surface, Die, Gear and Cutter Grinders) West Hartford Rowbottom Machine Company Inc (cam) Waterbury

Grommets

American Brass Company The Plume & Atwood Mfg Co The Waterbury Waterbury Ground Rubber Rolls

Saybrook Manufacturing Inc Old Saybrook Wheeler Co The G E New Haven

Hack and Band Saw Blades Capewell Manufacturing Co The

Hartford

Hair Hygiene Preparations
Parker Herbex Corporation Stamford

Hammers—Carpenters and Machinests Capewell Manufacturing Company Hart

Hand Tools
Billings and Spencer Company (wrenches, sockets and shop tools) Hartford
Bridgeport Hdwe Mfg Corp The (nail pullers, scout axes, box opening tools, trowels, coping saws, putty knives) Bridgeport

Hardness Testers
Wilson Mechanical Instrument Div American,
Chain & Cable Company Inc Bridgeport

Hardware
Bassick Company The (Automotive) Bridgeport
Gordon Associates Derby
Harlock Products Corp
Sargent & Company
Wilcox Crittenden & Co Inc
and industrial)
Yale & Towne Mfg Co The
Stamford

Hardware-Marine & Bus Rostand Mfg Co The Milford

Hardware—Trailer Cabinet
Excelsior Hardware Co The

Excelsior Hardware Co Luggage

Hardware, Trunk & Luggage

Corbin Cabinet Lock Div American Hardware

New Britain

Bristol Corp J H Sessions & Son Yale & Towne Mfg Co The Stamford

Doran Bros Inc

Health Surgical & Orthopedic Supports
Berger Brothers Company The (custom made
for back, breast, and abdomen) New Haven

Heat Elements Electroflex Heat Inc Hartford
Safeway Heat Elements Inc (woven wire resistance type) Middletown

Heat Exchangers Whitlock Manufacturing Co Hartford

Heat Treating
Bennett Metal Treating Co The
1045 New Britain Ave Elmwood
Commercial Metal Treating Co Bridgeport
New Britain-Gridley Machine Division
The New Britain Machine Co New Britain
Skene Co Inc The William A (metals) Bridgeport

Stanley P Rockwell Co Inc The 296 Homestead Ave Hartford (Advt.)

Heat-Treating Equipment	Insulated Wire & Cable	Lathes—Vertical Turret
arnes Co The Wallace Div Associated Spring Corp Bristol	General Electric Company (for residential commercial and industrial applications)	Bullard Company The (single spindle) Bridgepor:
auer & Company Inc Hartford clock Inc (Retorts, Muffles, etc.)	Kerite Company The Bridgeport Seymour	Lead Plating
tanley P Rockwell Co Inc The (commercial) 296 Homestead Ave Hartford	Insulated Wire & Cable Machinery	Christie Plating Co The Groton
Heat Treating Fixtures	Davis Electric Company Wallingford	Norwich Leather Co Norwich
olock Inc (Trays, Baskets, etc.) Fairfield Viretex Mfg Co Inc Bridgeport	Bristol Company The Waterbury	Herman Roser & Sons Inc (Genuine Pigskin) Glastonbury
	J-B-T Instruments Inc (Electrical and Tem- perature) New Haven	Leather Dog Furnishings
Heat Treating Salts and Compounds  Iitchell-Bradford Chemical Co Bridgeport	Manning Maxwell & Moore Inc Stratford Pratt & Whitney Co Inc (Precision Measuring)	Andrew B Hendryx Co The New Haven The Smith-Worthington Saddlery Co Hartford
Heaters-Electric eneral Electric Company Bridgeport	West Hartford	Leather Goods Trimmings
Heating and Cooling Colls	Reflectone Corporation The Stamford	G E Prentice Mfg Co The Kensington  Leather, Mechanical
& O Manufacturing Co New Haven	Inter-Communications Equipment	Auburn Manufacturing Company The (packings, cubs, washers, etc) Middletown
Heating Elements  Hartford Element Co Hartford	Inter-Communications Equipment Connecticut Telephone & Electric Corp Meriden	Letterheads
	Interval Timers Lux Clock Manufacturing Company Waterbury	Lehman Brothers Inc (designers, engravers, lithographers) New Haven
Heavy Chemicals  Jaugatuck Chemical Division United States  Rubber Co (sulphuric, nitric and muriatic	Rhodes Inc M H Hartford	Levels-Machinist's Precision
Rubber Co (sulphuric, nitric and muriatic acids and aniline oil)	Case Brothers Inc Manchester	Bullard Company The Bridgeport  Light Assemblies
mith & Winchester Mfg Co The	Japanning	Saybrook Manufacturing Inc Old Saybrook
South Windham Hex-Socket Screws	J H Sessions & Son Bristol	Lighting Accessories—Fluorescent General Electric Company Bridgeport
Bristol Company The Waterbury Holo-Krome Screw Corp The West Hartford	Jig Borer Moore Special Tool Co (Moore) Bridgeport	Lighting Equipment
High Frequency Alternators	Moore Special Tool Co (Moore) Bridgeport Pratt & Whitney Co Inc West Hartford	Fullerton Manufacturing Corp Norwalk Miller Co The (Miller, Duplexalite, Ivanhoe)
Electric Specialty Co Stamford	Jigs, Fixtures & Gages	Meriden Lines—Braided
Highway Guard Rail Hardware Malleable Iron Fittings Co Branford	Federal Machine & Tool Co Bristol	Essex Mills Inc Essex
Hinges	Moore Special Tool Co (Moore) Bridgeport	New England Lime Company Canaan
Homer D Bronson Company Beacon Falls Hobs and Hobbings	Keller Machines Pratt & Whitney Co Inc West Hartford	Lipstick Cases Scovill Manufacturing Company Waterbury
ABA Tool & Die Co Parker Stamp Works Inc The Hartford	Key Blanks	Lipstick Containers Bridgeport Metal Goods Mfg Co Bridgeport
Pratt & Whitney Co Inc (Die and Thread Mill- ing) West Hartford	Sargent & Company Yale & Towne Mfg Co The Stamford	Bridgeport Metal Goods Mfg Co Bridgeport Plume & Atwood Manufacturing Co Waterbury
I-B Engineering Sales Co New Haven	J & J Cash Inc (Woven) South Norwalk Naugatuck Chemical Division United States	O'Toole & Sons Inc T Stamford
Hoists and Trolleys Union Mfg Company New Britain	Rubber Co (for rubber articles) Naugatuck	Lithographing
Hose Fittings	Label Moisteners Better Packages Inc Shelton	Kellogg & Bulkeley A Division of Connecticut Printers Inc Lehman Brothers Inc New Haven
Don Mfg Co J M Naugatuck Scovill Manufacturing Company Waterbury	Laboratory Equipment Eastern Industries Inc New Haven	A D Steinbach & Sons New Haven
Hose—Flexible Metallic American Brass Co	Laboratory Supplies	Yale & Towne Mfg Co The Stamford
American Metal Hose Branch Waterbury	Macalaster Bicknell Company New Haven	Locks-Builders Sargent & Company New Haven
Hawie Mfg Co The (So-Lo Grip Tabs)	American Fabrics Company The Bridgeport Wilcox Lace Corporation Middletown	Yale & Towne Mfg Co The Stamford
Bridgeport	Wilcox Lace Corporation Middletown  Laces and Nettings	Locks—Cabinet  Excelsion Hardware Co The Stamford
Hospital Signal Systems Connecticut Telephone & Electric Corp Meriden	Wilcox Lace Corporation The Middletown	Yale & Towne Mfg Co The Stamford  Locks—Special Purpose
Hydraulic Brake Fluids	Chemical Coatings Corporation Rocky Hill	Yale & Towne Mfg Co The Stamford
Eis Manufacturing Co Middletown	I-Sis Chemicals Inc United Chromium Incorporated  Stamford Waterbury	Locks—Suitcase and Trimmings Excelsior Hardware Co The Stamford
Hypodermic Needles Roehr Products Company Waterbury	Ladders	Locks—Trunk
Ice Buckets	A W Flint Co 196 Chapel St New Haven  Laminated Metal	Excelsior Hardware Co The Stamford Yale & Towne Mfg Co The Stamford
B F Goodrich Sponge Products Division Shelton	Bridgeport Brass Company Bridgeport	Locks—Zipper
Impregnating American Metaseal Inc (metal, wood, etc.) Hamden	Lamps Plume & Atwood Mfg Co The (metal oil) Waterbury	Excelsior Hardware Co The Stamford  Loom—Non-Metallic
Industrial Chrome Plating	Lampholders—Incandescent and Fluorescent	Wiremold Company The Hartford
Mirror Polishing & Buffing Co Waterbury	General Electric Company Bridgeport	Alpha Molykote Corp The Stamford
Sansone Co S Frederick (Designers Builders and Counselors) Short Beach	Verplex Company The Essex	Lubricants—Extreme Temperatures Alpha Molykote Corp The Stamfore
Industrial Finishes Chemical Coatings Corporation Rocky Hill	Lanterns—Battery Operated  Electrical Div Olin Mathieson Chemical Corp  New Haven	Lubricating System-Mist Thompson & Son Co The Henry G. New Have:
United Chromium Incorporated Waterbury	Lathes—Contin-U-Matic	Lumber & Millwork Products
Industrial Tools—Powder Actuated Remington Arms Company Inc Bridgeport	Bullard Company, The (vertical multi-spindle- continuous turning type) Bridgeport	City Lumber Co of Bridgeport Inc Bridgepor
Cycle-Flo Company The Milford	Lathes-Man-Au-Trol Bullard Company The Bridgeport	Collins Company The Collinsvill
Inks	Lathes-Mult-Au-Matic	Black Rocle Mfg Company The Bridgepor
Waterman Pen Company Inc Seymour		
Waterman Pen Company Inc Insecticides American Cyanamid Company Waterbury	Bullard Company The (vertical multi-spindle- indexing type) Bridgeport	Standish Associates Fairfiel (Advt.

#### ADE ONNECTIC M C

Machine Tool Designers
New Britain R & S Company

Machine Tools Bullard Company The Bridgeport
Farrel-Birmingham Company Inc
Pratt & Whitney Co Inc
Producto Machine Company The Bridgeport

Machine Tools
Victor Machine Tool Rebuilders Inc (scraping, fitting & aligning)

Bridgeport

Black Rock Mfg Company The Ansonia
Fenn Manufacturing Company The (precision
Newington Machine Work parts)
Hartford Special Machinery Co The (contract
Hartford work only)

Joma Tool Co(small assemblies & parts)

Wolcott National Sheradizing & Machine Co (job) Hartford Parker Stamp Works Inc The (Special) Swan Tool & Machine Co The Hartford Torrington Manufacturing Co The Gecial roll-ing mill machinery)

Machinery
Fenn Manufacturing Company
The (special)
Newington Hallden Machine Company The (mill) Torrington Manufacturing Co The (mill)
Torrington

Machinery—Automatic
Banthin Engineering Company (new and re-

Machinery-Bolt and Nut Waterbury Farrel Foundry & Machine Co The Waterbury

Machinery-Cold Heading
Waterbury Farrel Foundry & Machine Co The
Waterbury

Machinery Dealers & Rebuilders
Butwinik Brothers New
J L Lucas and Son F
State Machinery Co Inc New New Haven Fairfield New Haven

Machinery-Extruding Standard Machinery Co The Mystic

Machinery-Metal-Working
Fenn Mig Co The
Waterbury Farrel Foundry & Machine Co The
Waterbury
Pratt & Whitney Co Inc
West Hartford

Machinery—Nut
Waterbury Farrel Foundry & Machine Co The
(forming and tapping) Waterbury

Machinery—Screw and Rivet ry Farrel Foundry & Machine Co The Waterbury

Machinery-Wire Drawing
Newington Fenn Mig Co The
Waterbury Farrel Foundry & Machine Co The
Waterbury

Machinery-Wire Straightening
Mettler Machine Tool Inc New Haven

Machines
Campbell Machine Div American Chain & Cable
Co Inc (cutting & nibbling) Bridgeport
Coulter & McKenzie Machine Co The (special, new development engineering design and construction)

Company The Waterbury

Machines Automatic
Globe Tapping Machine Co
A H Nilson Mach Co The (Special)
Standish Associates
Bridgeport
Bridgeport
Fairfield

Machines—Automatic Chucking
Bridgeport Machines—Automatic Bridgeport
New Britain-Gridley Machine Division
The New Britain Machine Co (multiple spindle and double end) New Britain
Pratt & Whitney Co Inc (Potter & Johnson)
West Hartford

Machines—Brushing Fuller Brush Co The

Machines—Contin-U-Matic
Bullard Company The (verticle multi-spindle—continuous turning)
Bridgeport

Machines-Draw Benches
ufacturing Company The Newington Fenn Manufacturing Company

Machines-Forming
A H Nilson Mach Co The (four-slide wire and Bridgeport ribbon stock)

Machines-Paper Ruling John McAdams & Sons Inc Norwalk

Machines—Pipe & Bolt Threading
Capewell Mfg Co The Hartford

Machines—Precision Boring
New Britain-Gridley Machine Division
The New Britain Machine Co New Britain

Machines-Rolling
Fenn Manufacturing Company The Newington

Machines—Slotting
Waterbury Farrel Foundry & Machine Co The
(screw head) Waterbury

Machines-Spacing Table Bridgeport Bullard Company The

Machines—Special Fenn Mfg Co The Fuller Brush Co The Newington Hartford

Machines—Swaging
Fenn Manufacturing Company The Newington

Machines—Thread Rolling
Hartford Special Machinery Co The
Waterbury Farrel Foundry & Machine Co The
Waterbury

Machines—Turks Head
Fenn Manufacturing Company The Newington

Machines-Wire Drawing ufacturing Company The Fenn Manufacturing Company Newington

Machining-Horizontal Boring
Tucker Machine Co North Haven

Manganese Bronze Ingot
Whipple and Choate Company Bridgeport

Manicure Instruments W E Bassett Company The Derby

Marine Engines
Kilborn-Sauer Company (runn
searchlights)
Lathrop Engine Co The Fairfield Mystic (running lights

Marine Equipment
Russell Manufacturing Company The (utility cord and accessory hardware) Middletown
Wilcox-Crittenden Div North & Judd Mfg CoMiddletown

Marine Reserve Gears
Snow-Nabstedt Gear Corp The New Haven

Marking Devises
Hoggson & Pettis Mfg Co The
Parker Stamp Works Inc The (steel) New Haven Hartford

Material Handling Parsons Co Inc W A (tote pans) Durham

Mats-Newspaper Lockwood Sons Inc Wm H Hartford

Waterbury Mattress Co Waterbury Metal Boxes
Parsons Co Inc W A (tool kits)

Durham

Metal Boxes and Displays

Durham Mfg Co The (Designing & Mfg to customers specifications)

Merriam Mfg Co (Bond, Security, Cash, Utility, Personal Files, Drawer Safes, Custombilt containers and displays)

Middletown Mfg Co

Charles Parker Co (sheet metal fabricators)

Meriden

Apothecaries Hall Co Waterbury New Haven Enthone Inc MacDermid Incorporated Waterbury

Metal Finishes New Haven Bridgeport Waterbury Enthone Inc Mitchell-Bradford Chemical Co United Chromium Incorporated

Metal Finishing Hartford Industrial Finishing Co National Sheradizing & Machine Co Waterbury Plating Company Hartford Hartford Waterbury

Master Engineering Company Stanley Pressed Metal West Cheshire New Britain

Metal Mouldings Leed Co The H A Hamden

Metal Novelties
H C Cook Co The 32 Beaver St Ansonia

Metal Plating—Gold & Silver
Donham Craft Inc Thomaston

Metal Products—Stampings
American Brass Company The Waterbury
Plume & Atwood Manufacturing Co Thomaston J H Sessions & Son
Scovill Manufacturing Company (Made-to-Order)
Stanley Pressed Metal

Stanley Pressed Metal

Responses to the company of th

Metal Specialties Excelsion Hardware Co The Stamford

Metal Spinning
Moseley Metal Crafts Inc West Hartford

Metal Stampings
American Brass Company The
Better Formed Metals Inc
Doo'Val Tool & Mig Inc The
Excelsior Hardware Co The
Greist Mig Co The 503 Blake St New Haven
H C Cook Co The 32 Beaver St Ansonia
H C Cook Co The 503 Blake St New Haven
H C Cook Co The 503 Blake St New Haven
H C Cook Co The 504 Blake St New Haven
H C Cook Co The 505 Blake St New Haven
H C Cook Co The 505 Blake St New Haven
H C Cook Co The 505 Blake St New Haven
Wolcott
Wolcott
White Moldetown
Middletown
Bristol
Middletown
Bristol
Waterbury
Kensington
Thomaston
Th Metal Stampings

Sprague Meter Company Bridgeport

Meters-Parking Rhodes Inc M H Hartford

Microfilming
American Microfilming Service Company
New Haven

Milk Bottle Carriers
John P Smith Co The 423-33 Chapel St
New Haven

Mill Machinery
Torrington Manufacturing Company The
Torrington

Milling Machines
Pratt & Whitney Co Inc (Keller Tracer—
Controlled Milling Machines) West Hartford
Rowbottom Machine Company Inc (can)
Waterbury

Scovill Manufacturing Company (aluminum brass, bronze, nickel silver—sheet, rod, wire, tube) Waterhury

Mill Supplies
Wilcox-Crittenden Div North & Judd Mfg Co
Middletown

Millwork Hartford Builders Finish Co Hartford

Miniature Precision Connectors Gorn Electric Co Stamford

Minute Minders Lux Clock Mfg Co The Waterbury

Mirror Rosettes and Hangers
Waterbury

Waterbury Companies Inc

Mixing Equipment Eastern Industries Inc New Haven
Gabb Special Products Div The E Horton &
Son Co Windsor Locks

Mobile Radio
Connecticut Telephone & Electric Corp
Meriden (Advt.)

Model Work  & N Tool & Engineering Co (instruments and timing devices)  Oakville	Otls Woven Awning Stripes The Falls Company Norwich Oven Brazing	Phosphor Bronze  American Brass Company The Bridgeport Brass Company  Miller Company The (sheets, strips, rolls)
Mops uller Brush Co The Hartford	Sight Light Div The American Machine & Foundry Co Deep River	Seymour Mfg Co The Seymour Waterbury Rolling Mills Inc (sheets, strips,
Motor Control Centers Distribution Assemblies Department, General Electric Co Plainville	Ovens-Electric Bauer & Company Inc Hartford Package Sealers	rolls) Waterbury Western Brass Mills Div Olin Mathieson Chem- ical Corp (sheet, strip) New Haven
Motor-Generator Sets Electric Specialty Co Stamford	Better Packages Inc Shelton	Phosphor Bronze Ingots Whipple and Choate Company The Bridgeport
Motor Overload Protectors perry Products Inc Danbury	Packaging & Packing Mercer & Stewart Co The  Packing	Dowd Wyllie & Olson Inc Wilcox Photo Engraving Co Inc Wilcox Photo Engraving Co Inc
Motors—Electric Timing ramer Controls Corporation The Centerbrook	Auburn Manufacturing Company The (leather, rubber, asbestos, fibre) Raybestos Division of Raybestos-Manhattan Inc (Asbestos and Rubber Sheet) Bridgeport	Photoflash Batteries Electrical Div Olin Mathieson Chemical Corp New Haven
Motors—Synchronous Cramer Controls Corporation The Centerbrook	Padlocks Sargent & Company New Haven	Photographic Equipment Electrical Div Olin Mathieson Chemical Corp
Electric Specialty Co Stamford	Sargent & Company Waterbury Lock & Specialty Co The Milford Yale & Towne Mfg Co Inc Stamford	Kalart Company Inc New Haven Plainville
Moulded Plastic Products Butterfield Inc T F Naugatuck Patent Button Co The Waterbury Vaterbury Companies Inc. Waterbury	Pads-Office The Baker Goodyear Company New Haven	Pratt Read & Co Inc (keys and action)  Ivoryton
Waterbury Companies Inc Waterbury Watertown Mfg Co The 117 Echo Lake Road Watertown	Paints and Enamels Staminate Corp The New Haven	Pratt Read & Co (keys and actions, backs, plates)  Pratt Read & Volume Practice Prac
Mouldings Himmel Brothers Co The (architectural, metal and store front) Hamden	Panelboards-Lighting and Distribution  Distribution Assemblies Department, General  Electric Co Plainville	CEM Company ("Spirol") Danielson Pin Up Lamps
Moulds ABA Tool & Die Co Manchester	Leed Co The H A Hamden	Verplex Company The Essex
Hoggson & Pettis Mfg Co The (steel) 114 Brewery St New Haven	Panta Panta	Pipe American Brass Co The (brass and copper)
Parker Stamp Works Inc The (compression injection & transfer for plastics) Hartford	Moore Special Tool Co (crush wheel dresser) Bridgeport	Bridgeport Brass Co (brass and Copper)
Napper Clothing	Paperboard	Chase Brass & Copper Co (red brass and copper)
Standard Card Clothing Co The (for textile mills) Stafford Springs	Federal Paper Board Co Inc Montville, New Haven & Versailles Gair Company Inc Robert Montville	Howard Co (cement well and chimney) New Haven
Wilcox Lace Corp The Middletown	Robertson Paper Box Co Montville New Haven Pulp and Board Co The New Haven	Pipe Fitters Hand Tools & Pipe Threading Machines
Newspaper Mats Lockwood Sons Inc Wm H Wartford	Paper Box—Partitions	Capewell Manufacturing Company Hartford  Pipe Fittings
Nickel Anodes Apothecaries Hall Co Waterbury	American Rondo Corporation (specialty partitions) Hamden	Corley Co Inc  Malleable Iron Fittings Co  Branford
Nickel Silver American Brass Company The Waterbury Bridgeport Brass Company Bridgeport	Paper Boxes Atlantic Carton Corp (folding) Norwich National Folding Box Co Div Federal Paper Board Co Inc (folding) New Haven & Versaille	Holo-Krome Screw Corporation The (counter- sunk) West Hartford
Bridgeport Brass Company Plume & Atwood Mig Co The Seymour Mig Co The Waterbury Rolling Mills Inc (sheets, strips,	New Haven & Versaille New Haven Board and Carton Co The New Haven	Pipe Piugs—Socketed Holo-Krome Screw Corp The West Hartford
Waterbury Western Brass Mills Div Olin Mathieson Chemical Corp (sheet, strip) New Haven	Mills Inc H J Robertson Paper Box Co (folding)  Bristol Montville	Plastic Coatings  Bischoff Chemical Corporation (Peelable Plastic Coatings) Ivoryton
Whipple and Choate Company The Bridgeport	Paper Boxes—Folding and Setup Bridgeport Paper Box Company M Backes' Sons Ine Wallingford	Plax Corporation Bloomfield
Sargent & Company Yale & Towne Mig Co Inc  New Haven Stamford	Paper Clips H C Cook Co The (steel) 32 Beaver St Ansonia	Frank Parizek Manufacturing Co The Patent Button Co The West Willington Waterbur
Non-ferrous Metal Castings Miller Company The Charles Parker Co Meriden Meriden	Paper Mill Machinery Farrel-Birmingham Company Inc Ansonia	Patent Button Co The Waterbur
Nuts, Bolts and Washers Clark Brothers Bolt Co Milldale	Paper Tubes and Cores Sonoco Products Co (Climax-Lowell) Div Mystic	Humphrey Fabricating Corporation Unionville  Plastic Film & Sheet Materials
Office Equipment	Parachute Cord	Plax Corporation Bloomfiel
Pitney-Bowes Inc Stamford Underwood Corporation Bridgeport & Hartford Wassell Organization Inc Westport	Essex Mills Inc Essex  Parallel Tubes Sonoco Products Co (Climax-Lowell) Div	Plastic Lining Equipment Comco Inc Div of Enthone Inc New Have
Offset Printing Keilogg & Bulkeley A Division of Connecticut Printers Inc Hartford	Mystic Parking Meters	Plastic Pipe and Fittings Comco Inc Div of Enthone Inc New Have
Oil Burners Miller Company The (domestic) Meriden	Rhodes Inc M H Hartford Parts	Plastic Molding Corporation Sandy Hoo
Peabody Engineering Corp (Mechanical and/or Steam Atomizer) Stamford Silent Glow Oil Burner Corp The 1477 Park St Hartford	Scovill Manufacturing Company (ammunition, electric instrument, electrical appliance, fountain pen, instrument, lighting fixture, ordance, etc.—blanked, stamped, formed, drawn, re-drawn, forged, screw machined, headed, pointed, finished) Waterbury	Butterfield Inc T F U S Plastic Molding Corporation Wallingfor
Norwalk Tank Co The (550 to 30M gals, under- writers above and under ground)		Conn Plastics Waterbury Companies Inc Waterbury Waterbury
Whitlock Manufacturing Co The South Norwalk Hartford	Pattern-Makers Farrel-Birmingham Company Inc Ansonia	Watertown Mfg Co The Watertow Plastic Printing Plates
Anderson Oil Co Inc F E Portland	Pattern Shop Smith & Winchester Mig Co The South Windham	Lockwood Sons Inc Wm H Hartfor Plastic Wire Coating Materials
Open Knife Switches and Accessories Trumbull Components Department, General Electric Co	Penlights Bridgeport Metal Goods Mfg Co Bridgeport	Electronic Rubber Co Stamfor
Optical Cores & Ingots Plume & Atwood Mig Co The Thomaston	Pet Furnishings Andrew B Hendrix Co The New Haven	B F Goodrich Sponge Products Division Shelts Naugatuck Chemical Division Unitel State Rubber Co Naugatus

IT'S MAD	E IN CON	NECTICUT
Plastics Machinery Black Rock Mfg Company The Bridgeport	Presses—Power Pneumatic Applications Co The (modernization	Reduction Gears Farrel-Birmingham Company Inc Ansons
Farrel-Birmingham Company Inc Ansonia  Plastics Plated—Gold & Silver  Donham Craft Inc Thomaston	of presses through conversion to Wichita Air Clutch operation) Simsbury Waterbury Farrel Foundry & Machine Co The	Snow-Nabstedt Gear Corp The New Haven
Plastics-Moulds & Dies	Waterbury Pressure Vessels	Howard Company Mullite Refractories Company The New Haven Shelten
Crown Tool & Die Co Inc Bridgeport Parker Stamp Works Inc The (for plastics) Hartford	Norwalk Tank Co Inc The (unfired to ASME Code Par U 69-70)  Whitlock Manufacturing Co The Hartford	Dunham-Bush Inc West Harrton Regulators
Plasticrete Bloc Plasticrete Corp Hamden	Printing	Norwalk Valve Company (for gas and air) South Norwalk Sorensen & Company Inc Stamford
Platers Come Chromium Plating Co New Haven	Bussmann Press Inc New Haven Case Lockwood & Brainard A Division of Con- necticut Printers Inc Hartford	Research & Development
hristie Plating Co ity Plating Works atent Button Co The Groton Bridgeport Waterbury	Finlay Brothers Heminway Corporation The Hildreth Press Hartford Waterbury Bristol	Raymond Engineering Laboratories (Electro-Mechanical) Middletown Resistance Wire
Tater Plating Company Aromium Process Company The (Chromium Plating only)  Waterbury (Chromium Shelton	Lehman Brothers Inc New Haven	C O Jeliff Mfg Co The (nickel chromium, copper nickel, iron chromium, aluminum)  Southport
Platers' Equipment	T B Simonds Inc Hartford A D Steinbach & Sons New Haven	Kanthal Corporation The Stamford
pothecaries Hall Company omco Inc Div of Enthone Inc a Manufacturing Co The IacDermid Incorporated  Waterbury Waterbury	The Walker-Rackliff Company New Haven	American Optical Company Safety Products Division Putnam
Platers Metal	Banthin Engineering Co (automatic) Bridgeport Thomas W Hall Company Stamford	Resuscitators Cycle-Flo Company The Milfore
Plating	Printing Plates Lockwood Sons Inc Wm H Hartford	Hartford Steel Ball Co The (bicycle & auto- motive) Hartford
Christie Plating Co The (including lead plating) Groton City Plating Works Inc Bridgeport	Printing Rollers	Rigid Plastic Sheet Material Gilman Brothers Company, The Gilman
Plating Co Bridgeport Plating on Metals & Plastics	Chambers-Storck Company Inc The (engraved) Norwich	Grant Mfg & Machine Co The Bridgeport
Onham Craft Inc Thomaston Plating Processes and Supplies	Production Control Equipment Ripley Company Inc Middletown	Ripley Company Inc H P Townsend Manufacturing Co The Elmwood
Onthone Inc New Haven United Chromium Incorporated Waterbury	Wassell Organization Inc Westport	Rivets Blake & Johnson Co The (brass, copper and non-ferrous) Waterville
Plumbers' Brass Goods Bridgeport Brass Co Bridgeport	Profilers Pratt & Whitney Co Inc West Hartford	non-ferrous)  Clark Brothers Bolt Co  Plume & Atwood Mfg Co The  Waterville  Milldale  Thomastom
Geeney Mig Co The (special bends) Newington covill Manufacturing Company Waterbury 48	Propellers-Aircraft Hamilton Standard Div United Aircraft Corp	Raybestos Div of Raybestos-Manhattan Inc The (brass and aluminum tubular and solid con-
Plumbing Specialties isdon Manufacturing Co John M Russell Div Naugatuck	(propellers and other aircraft equipment) Windsor Locks	per) Bridgepor Raybestos Div of Raybestos-Manhattan Inc The (iron) Bridgepor
Pole Line Hardware  [alleable Iron Fittings Co Branford]	Bischoff Contings (Peelable	American Brass Company The (copper, brass bronze) Waterbury
Police Equipment The Smith-Worthington Saddlery Co Hartford	Plastic Coatings) Ivoryton Harrison Company The A S (Waxes) South Norwalk	Bridgeport Brass Company Bridgeport Bristol Brass Corp The (brass and bronze)
Polishing	O'Toole & Sons Inc The Stamford	Scovill Manufacturing Company (aluminum brass, bronze, etc.) Waterbury
Airror Polishing & Buffing Co Waterbury Polishing & Buffing	Pumps Sumo Pumps Inc (Deep-well electro-submer-	Gabb Special Products Div E Horton & Sor
eneral Polishing & Buffing Bridgeport  Poly Chokes	sible) Stamford Yale & Towne Mfg Co The Stamford	Company Windsor Locks Roller Skate Wheels
Coly Choke Company The (a shotgun choking device)  Tarriffville	Pumps—Small Industrial Eastern Industries Inc New Haven	Raybestos Division of Raybestos-Manhattan Inc Bridgepor Roller Skates
Postage Meters Pitney Bowes Inc Stamford	Punches	Arms and Ammunition Div Olin Mathiesor Chemical Corp New Haver
Potentiometers-Electronic  Bristol Company The Waterbury	Hoggson & Pettis Mfg Co The (ticket & cloth) 141 Brewery St New Haven	Rolling Mills & Equipment Farrel-Birmingham Company Inc Ansonia
Precision Electronic Chassis aybrook Manufacturing Inc Old Saybrook	Putty Softeners-Electrical Fletcher Terry Co The Box 415 Forestville	Fenn Mfg Co The Precision Methods & Machines Inc Waterbury
Precision Machine Tool Spindles Whitnon Manufacturing Co (for milling, grinding, boring & drilling) Farmington	Pyrometers Bristol Co The (recording and controlling)	Waterbury Farrel Foundry & Machine Co The Waterbury
Precision Manufacturing Newton Co The (aircraft parts) Manchester	Waterbury Radiation-Finned Copper	Farrel-Birmingham Company Inc (Chilled and Alloy Iron, Steel) Ansonia
Precision Revolving Machinery	Bush Manufacturing Co West Hartford G & O Manufacturing Company The	Atrax Company The (carbide) Newington
Vhitnon Manufacturing Co Farmington  Precision Springs & Wire Forms Rowley Spring Co Inc The Bristol	Vulcan Radiator Co The (steel and copper) Hartford	Routers Atrax Company The (solid carbide) Newington
Pre-Cut Cottages Federal Homes Corporation Canaan	Radiators—Engine Cooling G & O Manufacturing Co New Haven	Rubber-Cellular B F Goodrich Sponge Products Division Shelto
Pre-Engineered Homes	Radiographic Inspection State Testing Laboratory Bridgeport	Rubber Chemicals Naugatuck Chemical Division United State
Prefabricated Buildings City Lumber of Bridgeport Inc The Bridgeport	Ratchet Offset Screw Driver	Rubber Co Naugatuc Stamford Rubber Supply Co The Vulcanized Vegetable Oils) Stamfor
Premium Specialties	Chapman Co J W Durham Rayon Staple Fiber	Rubber Cutting Machinery Black Rock Mfg Company The Bridgepor
Waterbury Companies Inc Waterbury Preservatives—Wood, Rope, Fabric Darworth Incorporated ("Cuprinol")	Hartford Rayon Corp The Rocky Hill Reamers	Rubberized Fabrics Duro-Gloss Rubber Co The New Have
("Cellu-san") Simsbury Pressboard	Atrax Company The (solid carbide) Newington Pratt & Whitney Co Inc (All types) West Hartford	Rubber Footwear Goodyear Rubber Co The Middletow
Case & Risley Press Paper Co (genuine) Oneco	Record Equipment	Rubber Gloves
Case Brothers Inc Manchester	Wassell Organization Inc (filing equipment) Westport	Seamless Rubber Company The New Have  Rubber—Handmade Specialties
Presses Farrel-Birmingham Company Inc (Hydraulic)	Bristol Co The (automatic controllers, tempera- ture, pressure, flow, humidty) Waterbury	Seamless Rubber Company The New Have: (Advt.

Rubber Latex Compounds and Dispersions Naugatuck Chemical Division United States Rubber Co (coating, impregnating and adhe- sive compounds) Naugatuck
Rubber-Latex Foam  B F Goodrich Sponge Products Division Shelton Rubber Mill Machinery
Farrel-Birmingham Company Inc Ansonia
Rubber-Molded Specialties Airex Rubber Prod Corp Canfield Co The H O Seamless Rubber Company The Rubber Company The Rubber Company The Rubber Company The
Rubber Products Airex Rubber Prod Corp Portland
Lockwood Sons Inc Wm H Hartford
Rubber Products—Mechanical American Felt Co Auburn Manufacturing Company gaskets, molded parts) Canfield Co The H O Scamless Rubber Company The The Washers, Middletown Bridgeport Scamless Rubber Company The New Haven
Rubber—Reclaimed Naugatuck Chemical Division United States Rubber Co Naugatuck
Naugatuck Chemical Div U S Rubber Co (special synthetic) Rubber Naugatuck
John P Smith Co The 423-33 Chapel St New Haven
Rust Preventives
Anderson Oil Co Inc F E Portland Enthone Inc Rust Removers
Enthone Inc New Haven
The Smith-Worthington Saddlery Co Hartford
American Optical Company Safety Products Division Putnam
Safety Fuses  Ensign-Bickford Co The (mining & detonating) Simsbury
American Optical Company Safety Products Division Putnam
American Optical Company Safety Products Division Safety Switches
Trumbull Components Department, General
Saw Blades—Hack Capewell Mfg Co The Thompson & Son Co The Henry G. New Haven
Saw Blades—Hack & Band
Thompson & Son Co The Henry G. New Haven
Saws, Band, Metal Cutting Atlantic Saw Mfg Co New Haven
New Haven
Acme Shear Company The Bridgeport
Screens Hartford Wire Works Co The (Windows, Doors and Porches) Hartford
Screw Caps Weimann Bros Mfg Co The (small for bottles) Derby
Screw Machines H P Townsend Mfg Company The Screw Machine Products  Screw Machine Products
Accurate Screw Products Inc (B & S Swiss & Davenports)  Apex Tool Co Inc The Auto Electric Screw Machine Co Inc
Bridgeport Blake & Johnson Co The Waterville
Consolidated Industries West Cheshire Dependable Automatic Screw Corn The
Eastern Machine Screw Corp The Truman & Barclay Sts Fairchild Screw Products Inc Franklin Screw Machine Co The (up to 1½" capacity) Garthwait Mfg Co A E (up to and inc. ½")
Waterbury
Greist Mfg Co The (Up to 13/2" capacity) New Haven Horberg Grinding Industries Inc (Heat treated
and ground type only)  19 Staples Street Bridgeport Humason Mfg Co The Forestville Independent Screw Machine Products (up to an incl 11/4" capacity) Hartford Junior Screw Machine Products Inc.
Independent Screw Machine Products (up to an incl 13/4" capacity) Hartford
Junior Screw Machine Products Inc West Haven

E IN CO	N	N	E C	т	ı c	U	Т
Screw Machine Products (Cont. Lowe Mig Co The Wei	) thersfield	Arnco	Sign C	Sign	is c, neon,	norcela	in &
Main Screw Machine Products (daveng	port & aterbury	Stain Berger	less stee	(neon el	ectric-porc	Me elain er	riden
Nelson's Screw Machine Products P	Berlin lantsville			creen Pro	cess Print		
New Britain Machine Company The New Haven Screw Machine Prods Inc	w Britain			ik Screen	Printing	New I	
New Haven Screw Machine Prods Inc (up to 1¼" capacity) Newton Screw Machine Products C Olson Brothers Company (up to ¾" e	Plainville	Merria	am Mfg		g on Meta	Specialti	ies, to urham
Olson & Sons R P So	Plainville uthington homaston	Donha	sii m Craft	ver & Go Inc (on m	ld Plating tetals & pl	astics) Thom	aston
United Screw Machine Co	homaston lucts Co	Reflec		Simulation T	he	Sta	mford
(Brown & Sharpe and Davenport) W		Raybe Inc	stos Div	rision of	Raybes	tos-Man	hattan
American Cam Company Inc (Circul Tools)	Hartford		can Cyan	amid Con			erbury
	Hartford orm tools) Vaterbury	SCOAT	II Manuta	Slide Fa Mfg Co T Manufactu cturing C	steners The aring Co Company (	New I GRIPP	ER
American Screw Company W Atlantic Screw Works (wood) Blake & Johnson Co The (machine a)	illimantic Hartford nd wood)	Bigelo	ers)	Smoke my The (	Stacks steel)	Wate	Haven
Bristol Company The (socket set and s	Waterbury	Scovi		Snap Fa		GRIPP	
and socket cap) West	Hartford erbury 91 Winsted	J B soa	ps, shavir	ig soaps)	(industria	l soaps, Glaste	toilet onbury
Allen Manufacturing Company The Bristol Co The Holo-Krome Screw Corp The West	Hartford Waterbury Hartford	Boese Black	ts) h Mfg C	eering Co	mpany (co	Bric	and/or igeport anbury igeport
Sealing Tape Machines Better Packages Inc	Shelton	Feder	al Machin	ne & Tool	Co Inc	Nav	Bristol vington
Service Entrance Equipment Trumbull Components Department, Electric Co	General Plainville	Natio	nal Shera	adizing &	mery Co T mpany Th Machine er industr	e El	mwood
Sewing Machines Greist Mfg Co The (Sewing Machines 503 Blake St N Merrow Machine Co The (Industrial)	Hartford	Swan	lish Asso	Machine (	Co The	F:	airfield artford
Shaving Soaps	Bridgeport	Greis	cision sta	The or The (sumpings)	l Parts mall machi	Nev ines, es New	Haven
Shears	Bridgeport		Sessions	Spin	nings ompany T	he H	Bristol
Sheet Metal Products American Brass Co The (brass and co			Sp		ng Machin	nes	lmwood
boxes, tackle boxes, displays)	Durham			Sponge	Rubber roducts Di		
Charles Parker Co (sheet metal fabri	Meriden	Spot	welders I	nc (alum	relding inum, ster	el, mag	nesium,
Parsons Co Inc W A (fabricators) Plume & Atwood Mfg Co The United Manufacturing Co Division	I nomaston				inment a		

Parsons Co Inc W A (fabricators)
Plume & Atwood Mfg Co The
United Manufacturing Co Division of The
W L Maxson Corp

Sheet Metal Stampings

American Brass Company The
American Buckle Co The
Doo'val Tool & Mig Inc The
I H Sessions & Son
Patent Button Co The
Plume & Atwood Mig Co The
Scovill Manufacturing Company
brass, bronze, copper, nickel silver, steel and
other metals and alloys)

Waterbury

Shell Cores

Shells Scovill Manufacturing Company (aluminum, brass, bronze, copper, nickel silver—drawn, stamped—electric socket, screw) Waterbury Wolcott Tool and Manufacturing Company Inc Waterbury

Showcase Lighting Equipment
Wiremold Company The Hartford

Bridgeport

Guilford

Guilford

Shelton

Ansonia

Sheet Steel Dolan Steel Company Inc

Victors Brass Foundry Inc

Victors Brass Foundry Inc

Shipment Sealers Better Packages Inc

H C Cook Co The (for card files) 32 Beaver St

soaps, shaving soaps) Glastonbury
Special Machinery Banthin Engineering Company (complete and/or parts) Boesch Mfg Co Ine Black Rock Mfg Company The Farrel-Birmingham Company Inc Federal Machine & Tool Co Fenn Mfg Co The Hartford Special Machinery Co The Hartford Special Machinery Co The National Sheradizing & Machine Co & stock shells for rubber industry) Standish Associates Swan Tool & Machine Co The Tucker Machine Co The Hartford Hartford The Hartford The Hartford Hartfo
Special Parts  Fenn Míg Co The Newington Greist Míg Co The (small machines, especially precision stampings) New Haven J H Sesions & Son Bristol
Spinnings Gray Manufacturing Company The Hartford
Spline Milling Machines Townsend Mfg Co The H P Elmwood
Sponge Rubber B F Goodrich Sponge Products Division Shelton
Spotwelding Spotwelders Inc (aluminum, steel, magnesium, titanium & alloys) Stratford

Spray Painting Equipment and Supplies
Lea Manufacturing Co The Waterbury

Spring Units
Owen Silent Spring Division American Chain
& Cable Company Inc Bridgeport

Spring Washers
Barnes Co The Wallace Div Associated Spring
Corp Bristol

Barnes Co The Wanase
Corp

Springs—Coll & Flat

Barnes Co The Wallace Div Associated Spring
Bristol
Barnett Co William L
Bristol Spring Manufacturing Co
Foursome Manufacturing Co
Humason Mfg Co The
Newcomb Spring Corp The
Newcomb Spring Corp The
New England Spring Manufacturing Company
Unionville
Plainville

Springs—Flat
Barnes Co The Wallace Div Associated Spring
Bristol

Springs—Furniture
Owen Silent Spring Division American Chain & Cable Company Inc Bridgeport (Advt.)

Barnes to the value of the Corporation of the Corpo

Spring Coiling Machines
Torrington Manufacturing Co The

Townsend Mfg Co The H P

Plainville Bristol Forestville

Torrington

Elmwood

Springs-Wire Barnes Co The Wallace Div Associated Spring	Acme Cotton Products Co Inc East Killingly	A W Haydon Co The Waterbury
Corp Bristol Spring Manufacturing Co Plainville	Seamless Rubber Company The New Haven Surgical Rubber Goods	H C Thompson Clock Co The Bristol Cramer Controls Corporation The Centerbrook
Colonial Spring Corporation The Hartford	Seamless Rubber Company The New Haven Swaging Machinery	Rhodes Inc M H Hartford Timing Devices
sion, extension, torsion) Coursome Manufacturing Co Hartford Bristol Humason Mfg Co The Forestville	Fenn Mfg Co The Newington	B & N Tool & Engineering Co (development and model work) Oakville
R Templeman Co (coll and torsion) Plainville	Switchboards Distribution Assemblies Department, General	Cramer Controls Corporation The Centerbrook
W Bernston Company (coil and torsion) Plainville	Electric Co Plainville	Lux Clock Manufacturing Company Waterbury
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Materican Brass Company The Waterbury Stampings Watertown	Tabulating Equipment—Manual Denominator Company Inc Woodbury Veeder-Root Incorporated Hartford	Thinsheet Metals Co The (non-ferrous metals in rolls)  Waterbur  Wilcox-Crittenden Div North & Judd Mfg C
C & H Mig Co Inc Watertown Onahue Mig Co Inc Watertown OnoVal Tool & Mig Inc The Naugatuck	Tanks Bigelow Company The (steel) New Haven	Middletown
Foursome Manufacturing Co Bristol oma Tool Co Wolcott Plume & Atwood Mfg Co The (small)	Comco Inc Div of Enthone Inc (steel, alloy and lined) New Haven	Armstrong Rubber Company The West Have
Thomaston	Connecticut Welders Inc (steel, alloy & lined) Wallingford	Tokens
brass, bronze, copper, nickel silver, steel	Norwalk Tank Co The South Norwalk Rolock Inc (Alloy) Fairfield Storts Welding Company (steel and alloy)	Scovill Manufacturing Company (bus, stree car and subway fare) Waterbury Tool Bits
electrical, radio, etc.—deep drawn, enameled) Waterbury	Meriden Tap Extractors	Thompson & Son Co The Henry G. New Haven
Stamley Pressed Metal New Britain Stampings-Small	Walton Company The West Hartford  Tape  Puscell Manufacturing Company The (manufacturing Company The Company The (manufacturing Company The Company The (manufacturing Company The Company The Company The (manufacturing Company The Company	Vanderman Manufacturing Co The Willimanti
Acme Shear Co The Bridgeport Barnes Co The Wallace Div Associated Spring Corp Bristol	Russell Manufacturing Company The (woven cotton and woven glass tape) Middletown	Commercial Metal Treating Co Bridgepor
Barrett Co William L Bristol Spring Manufacturing Co Bristol Spring Manufacturing Co Bristol Plainville New Haven	Tapes—Industrial Pressure Sensitive Seamless Rubber Company The New Haven	B & N Tool & Engineering Co (dies, jigs, for tures, sub-press and progressive) Oakvill Hoggson & Pettis Mfg Co The (rubber workers
Humason Míg Co The Forestville Stamps	Conn Telephone & Electric Corp Meriden	141 Brewery St New Have Tools & Dies
Hoggson & Pettis Mfg Co The (steel) 141 Brewery St New Haven	Hanson-Whitney Company The Hartford	C & H Mfg Co Inc Lambro Tool-Die & Mfg Co Bridgepor
Parker Stamp Works Inc The (steel) Hartford Stationery Specialties	Pratt & Whitney Co Inc West Hartford Tarred Lines	Metropolitan Tool & Die Hartfor Moore Special Tool Co Bridgepo
American Brass Company The Waterbury Steel-Alloy and Stainless Bars Northeastern Steel Corporation Bridgeport	Brownell & Co Inc Moodus Telemetering Instruments	Swan Tool & Machine Co The Hartfor Tools, Dies & Fixtures Greist Mfg Co The New Have
Steel Castings Hartford Electric Steel Corp The (Carbon, low alloy and stainless steel and Ductile iron)	Bristol Co The Waterbury  Television—Radio Junior Screw Machine Products Inc	Tools, Dies, Jigs & Fixtures loma Tool Co Wolco Lyons Tool & Die (modelwork, jig boring)
Malleable Iron Fittings Co  Mutmeg Crucible Steel Co  Hartford  Branford  Branford	West Haven  Testers-Insulation  McNeal J D	Otterbein Co J A Middletow Telke Tool & Die Mfg Co New Brita
Steel-Cold Finished Bars Northeastern Steel Corporation Bridgeport	Testers—Insulation Wire & Cable Davis Electric Company Wallingford	Tools, Fixtures, Gauges Fredericks Tool Co J F West Hartfo
Barnes Co The Wallace Div Associated Spring Corp Bristol	Testers—Nondestructive, Ultrasonic Sperry Products Inc Danbury	Toroidal Winding Machines Boesch Mfg Co Inc Danbur
Steel—Cold Rolled Stainless Ulbrich Stainless Steels Wallingford Wallingford Steel Company Wallingford	Textile Machinery Merrow Machine Co The	Totalizers Reflectone Corporation The Stamfer
Steel-Cold Rolled Strip	2814 Laurel St Hartford	Geo S Scott Mfg Co The Wallingfo
Stanley Works The New Britain Steel—Cold Rolled Strip and Sheets Detroit Steel Corporation New Haven	Polymer Industries Inc Springdale	Gilbert Co The A C Gong Bell Co The N N Hill Brass Co The East Hampt East Hampt
Wallingford Steel Company Wallingford Steel Goods	Textile Processors  American Dyeing Corporation (rayon, acetate, nylon, dacron, other synthetics) Rockville	Waterbury Companies Inc Waterbu Transformers
Merriam Mfg Co (sheets products to order) Steel-Ground Flat Stock Thompson & Son Co The Henry G.	Thermometers Bristol Co The (recording and automatic con-	Berkshire Transformer Corp The Dano Electric Company  Trucks—Commercial  New Milfo Winst
Steel-Hot Roll Bars	trol) Waterbury Manning Maxwell & Moore Inc Stratford	Metropolitan Body Company (Internation) Havester truck chasis and "Metro" bodies)
Northeastern Steel Corporation Bridgeport Steel Rolling Rules Waterbury Lock & Specialty Co The Milford	Thin Gauge Metals  Plume & Atwood Mfg Co The Thomaston Thinsheet Metals Co The (plain or tinned in	Bridgepo
Steel Strapping Stanley Works The New Britain	rolls) Waterbury  Thread	George P Clark Co Windsor Loc
Stereotypes New Haven Electrotype Div Electrographic Corp New Haven	American Thread Co The Willimantic Belding Heminway Corticelli Putnam Max Pollack & Co Inc Groton and Willimantic	Excelsior Hardware Co The Stamfe George P Clark Co Windsor Loc
Stop Clocks, Electric H C Thompson Clock Co The Bristol	Wm Johl Manufacturing Co Mystic  Thread Chasers	Trucks—Skid Platforms Excelsior Hardware Co The (lift) Stamfor Tube Bending
Storage Batterles R A E Storage Battery Mfg Co Glastonbury	Geometric Tool Division, Greenfield Tap & Die Corp New Haven	Donahue Mfg Co Inc Waterto Tube Clips
Straps, Leather Auburn Manufacturing Company The (textile, industrial, skate, carriage) Middletown	Thread Gages Hanson-Whitney Company The Hartford	H C Cook Co The (for collapsible tubes) 32 Beaver St Weimann Bros Mfg Co The (for collapsi
Strip Steel Dolan Steel Company Inc Bridgeport Structural Mouldings	Pratt & Whitney Co Inc West Hartford Thread Milling Machines	tubes) De
Leed Co The H A Hamden Studio Couches	Hanson-Whitney Company The Hartford Pratt & Whitney Co Inc West Hartford	Scovill Manufacturing Company (UNIFLA) flared tube and LOXIT compression tube) Waterbu
Waterbury Mattress Co Waterbury Super Refractories	Thread Rolling Machinery Hartford Special Machinery Co The Hartford	Tubers Standard Machinery Co The (tubers for b
	Threading Machines	rubber and plastic industries) My
Mullite Refractories Company The Shelton Surface Metal Raceway & Fittings	Grant Mig & Machine Co The (double end	Tubes-Collapsible Metal

#### CONNECTIC ADE N

Washers
American Felt Co (felt)
Auburn Manufacturing Company
Middletown Tubing
American Brass Co The (brass and copper)
Waterbury Wire Arches & Trellises Hartford Wire Works Co The John P Smith Co The 423-33 Chapel St Hartford Bridgeport Brass Company (brass and copper)
G & O Manufacturing Co (finned)
Scoville Manufacturing Company (Brass and Copper)
Copper)
Waterbury 91 Auburn Manufacturing Company Auburn Middletown terials)

Blake & Johnson The (brass, copper & nonferrous)

Clark Brothers Bolt Co

Humphrey Fabricating Corp

Unionville
Plume & Atwood Mfg Co The (brass & copper)

Thomaston New Haven Wiretex Mfg line treating and degreasing,

Wire Cloth

Hartford Wire Works Co The
C O Jeliff Mfg Co The (all metal, all meshes)

Southport

Wire Cloth Co Inc

Norwalk
Fairfield
New Haven Wire Baskets American Brass Co Metal Hose J H Rosenbeck Inc Torrington Saling Manufacturing Company (made to order) Unionville Waterbury Tubing—Heat Exchanger American Brass Company The Scovill Manufacturing Company Wa Waterbury 91 Washers—Felt
American Felt Co
Chas W House & Sons Inc (Mills & Cutting
Plant)

Washers—Felt
Glenville
& Cutting
Unionville Waterbury Tumbling Equipment & Supplies
Esbec Barrel Finishing Corp Beyram Wire Dipping Baskets Hartford Wire Works Co The John P Smith Co The 423-33 Chapel St Hartford Tumbling Service Esbec Barrel Finishing Corp E Ingraham Co The Bristol United States Time Corporation The Waterbury Watches Meriden New Haven Turntables Macton Machinery Company Inc (industrial & display) Stamfo Wire Drawing Dies Waterbury Wire Die Co The Water De!onizers Stamford Waterbury Wire Forming Machinery Torrington Manufacturing Company Typewriters
Royal Typewriter Co Inc
Underwood Corporation Meriden Hartford Hartford Water Heaters Wire Formings
G E Prentice Mfg Co The
Master Engineering Company
North & Judd Manufacturing Co
Peck Spring Co
Turner & Seymour Manufacturing
The

Kensington
West Cheshire
New Britain
Plainville
Co The
Torrington
Essex Whitlock Manufacturing Co (instantaneous & storage) Typewriters—Porta oyal Typewriter Company Inc nderwood Corporation -Portable Hartford Hartford Water Heaters-Electric Bauer & Company Inc Hartford Typewriter Ribbons and Supplies
Royal Typewriter Company Inc Hartford
Underwood Corporation
Hartford and Bridgeport Water Heaters-Gas or Kerosene Holyoke Heater Corp of Conn Inc Hartford Waxes
Harrison Company The A S (and other pretective coatings)
South Norwalk Ultrasonic Processing Equipment
al Ultrasonics Co The Hartford Wire Forms
Barnes Co The Wallace Div Associated Spring
Bristol Underclearer Rolls
Sonoco Products Co (Climax-Lowell Div)
Mystic Fuller Brush Co The Barnes Co The Wallace Div Associa Corp Bristol Spring Manufacturing Co Colonial Spring Corporation The Connecticut Spring Corporation The Foursome Manufacturing Co Gemco Manufacturing Co Ine Humason Mfg Co The New England Spring Mfg Co Peck Spring Co Templeman Co D R Templeman Co D R Hartford Plainville Wedges
ring Company (hammer & Unionville Vacuum Bottles and Containers

Products Co Norwich Hartford
Hartford
Bristol
Southington
Forestville
Unionville Saling Manufacturing American Thermos Products Co Vacuum Cleaners
Old Greenwich
Hartford Welding
Connecticut Welders Inc (fabrication & repairs)
Wallingford
Farrel-Birmingham Company Inc
G E Wheeler Company (Fabrication of Steel &
Non-Ferrous Metals)
Industrial Welding Company (Equipment Manufacturers—Steel Fabricators)
Hartford Electrolux Corporation Spencer Turbine Co The Plainville Valves-Automobile Tire Bridgeport Brass Company Bridgeport Plainville Terryville Terryville Manusacus Wire Goods

American Buckle Co The (overall trimmings)
West Haven
Waterbury
Scovill Manufacturing Company
(To Order)
Waterbury 91 Valves
Norwalk Valve Company (sensitive check valves)
South Norwalk Welding—Lead
Connecticut Welders Inc (tanks & coils)
Wallingford
Storts Welding Company (tanks and fabrication)
Welding—Lead
Wallingford
Wallingford
Ameriden Valves-Aircraft Robertshaw-Milford Bridgeport Thermostat Fulton Controls Co Div Wire Partitions
Hartford Wire Works Co The
John P Smith Co The
423-33 Chapel St Welding Rods
American Brass Company The Wardgeport Brass Company Bristol Brass Co The (brass & bronze) Valves—Radiator Air Bridgeport Brass Company Hartford Waterbury Bridgeport Bristol Bridgeport New Haven Humason Mfg Co The Peck Spring Co Plume F Valves-Relief & Control
Beaton & Caldwell Mfg Co New Britain Wells Church Co The Stephen B Forestville Plantylle Peck Spring Co
Plume & Atwood Mfg Co The (to order)
Thomaston Seymour Valves-Safety & Relief Manning Maxwell & Moore Inc Wheels-Industrial George P Clark Co Stratford Windsor Locks Wicks
American Felt Co
Auburn Manufacturing Company The Vanity Boxes Bridgeport Metal Goods Mfg Co Plume & Atwood Manufacturing Co A H Nilson Mach Co The Bridgeport Glenville Bridgeport (felt, as-American Buckle Co The (tinners' trimmings)
Humason Mfg Co The
Peck Spring Co
Templeman Co D R Thomaston hestos)
Holyoke Heater Corp of Conn Inc Middleto Hartford handles and West Haven Forestville Plainville Waterbury Scovill Manufacturing Company (pan Wiffle Ball Inc The Varnishes New Haven New Haven Staminite Corp The Window & Door Guards Hartford Wire Works Co The Smith Co The John P American Velvet Co (owned and A Wimpfheimer & Bro Inc)
Leiss Velvet Mig Co Inc The Williamntic Hartford Wire-Specialties
Andrew B Hendryx Co The New Haven New Haven Window Shades
New England Shade & Blind Co Inc Durham Wiring Devices Venetian Blinds
Findell Manufacturing Company
Jennings Company The S Barry I
New England Shade & Blind Co Inc Harvey Hubbell Inc Bridgeport Wiping Cloths Wiring Harnesses Div The American Manchester Federal Textile Corporati New Haven Wire v The Sight Light Div Foundry Co New Haven Durham Machine & Deep River American Brass Company The Atlantic Wire Co The (steel)
Bartlett Hair Spring Wire Co The (hair spring)
North Haven Venetian Blind Tape

Venetian Company

The (woven Middletown Wood Scrapers Fletcher-Terry Co The Fletcher-Terry Woodwork

C H Dresser & Sons Inc (Mfg all kinds of Hartford Hartford Hartford Russell Manufacturing Company cotton and woven plastic) Bartiett Hair Spans North Haven
Bridgeport Brass Company (brass and silicon
bronze) Bridgeport
Bristol Brass Corp The (brass & bronze) Bristol
Driscoll Wire Co The (steel) Shelton Bridgeport Brass Company (brass and silicon bronze)
Bridgeport Bristol Brass Corp The (brass & bronze)
Bristol Brass Corp The (brass & bronze)
Bristol Bristol Bristol Driscoll Wire Co The (steel)
Bristol Bristol Shelton
Hudson Wire Co Winsted Div (insulated & enameled magnet)
Platt Bros & Co The (zinc wire)
P O Box 1030
Plume & Atwood Mfg Co The (brass. bronze, nickel silver)
Atwood Bross Bronze Waterbury 91

Bridgeport Brass and silicon
Bridgeport Brass And Silicon
Bridgeport Brass And Silicon
Bridgeport Brass Bridgeport Bristol Bridgeport Bristol Bridgeport Bristol Bristol Bridgeport Bridgeport Bristol Bridgeport Bristol Bridgeport Bridgepo Ventilating Systems Colonial Blower Company Plainville Vertical Shapers
West Hartford Woven Felts-Wool
Chas W House & Sons Inc (Mills & Cutting
Plant)
Unionville Pratt & Whitney Co Inc Vibrators-Pneumatic Branford Co The (industrial) New Haven Aldon Spinning Mills Corporation The (fine-wollen and specialty) Talcottville
Ensign-Bickford Co The (jute-carpet) Simabury
Hartford Spinning Incorporated (Wollen, knitting and weaving yarns) Unionville Vinyl Extrusion & Moulding Compounds ectronic Rubber Co Stamford Electronic Rubber Co and Nickei Silves,

Wire and Cable

Continental Wire Corp (for industrial and military applications)

General Electric Company (for residential, commercial and industrial applications)

Rockbestos Products Corporation (all asbestos, mining, shipboard and appliance applications)

New Haven Vises Charles Parker Co The Meriden
Fenn Manufacturing Company The (QuickAction Vises)
Vanderman Manufacturing Co The (Combination Bench Pipe) Platt Bros & Co The (ribbon, strip and wire)
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iness operations. They include Applied Managerial Statistics, Applied Managerial Economics, Applied Managerial Accounting, Marketing Management, Financial Management, and Industrial Management. Beyond these six core courses the candidate must complete six additional courses in the fields of accounting, marketing, or industrial administration. He can concentrate in any one of these three fields or pursue a general major by dividing his advanced courses among these fields.

Such a program is directed primarily at the budding executive whose formal education has been in engineering and liberal arts. Any bachelor's degree from a college, technical school, or university of approved standing qualifies the applicant provided his undergraduate grades meet the standards of the Graduate School. Approximately one-third of the candidates in the Hartford program hold engineering degrees; approximately one-sixth are liberal arts undergraduate majors. The only specific requirements with respect to courses taken before admission are two semesters of accounting, two semesters of economics, and one semester of statistics.

The candidates currently enrolled in the University of Connecticut MBA program are all employed full time by companies in and around Hartford. Because of the nature of the students, the program is not only a graduate degree program but also an executive training program. Among the candidates are two personnel managers, two factory managers, a business manager, a partner of an automotive sales firm, a director of industrial relations, some accountants, various types of engineers, a pricing analyst, a budget analyst, and four administrative assistants to top executives. Some of the companies represented are Chase Brass & Copper, Inc., G. Fox & Co., Pratt & Whitney, Inc., Pratt & Whitney Aircraft, Hamilton Standard, Royal McBee Corporation, Underwood Corporation, Chandler Evans, H. O. Penn Machinery Company, Connecticut General Life Insurance Company, The Connecticut Bank & Trust Company, Dictograph Corporation, Hartford Hospital, New Departure Division of General Motors, and the Stanley Works. With such positions and such companies represented among the candidates, it is obvious that group discussion of specific problems can be highly stimulating and educational.

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Just as it was four years ago, the official 1957 Inaugural Medal is to be a product of private enterprise. As a result of the great demand for these pieces in 1953, over 20,000 bronze replicas are being prepared by the Medallic Art Company of New York City.

Of special interest is the fact that the portraits of both the President and Vice President will appear on the face of the medal. This is only the second time in the history of Inaugural Medals that two portraits have been shown.

For this historic memento, a special bronze alloy, precisely formulated to exacting specifications, is now being produced in the mills here at Bristol. If you would like to own one of these handsome medals, reproduced from models by the distinguished American sculptor, Walker Hancock, send your check for \$3.50 to the Inaugural Committee, 1022 15th Street, N.W., Washington 5, D. C.



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